

AD-A183 387

BOSCOMBE DOWN UNITED KINGDOM LIMITED SURFACE  
OBSERVATIONS CLIMATIC SUMMAR (U) AIR FORCE  
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

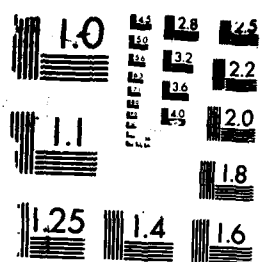
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UNCLASSIFIED

66 JUL 87 USAFETAC/DS-87/048

SCOTT 8..  
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NL



MICROCOPY RESOLUTION TEST CHART

ADA183307

UK 037460

USAFETAC/DS-87/048

0025-5458

19 JAN 1988

**OPERATING LOCATION - A**  
**USAFETAC**  
**Air Weather Service (MAC)**

**DTIC**  
**ELECTE**  
**JAN 26 1988**  
**S D**



**"LIMITED SURFACE OBSERVATIONS"**  
**CLIMATIC SUMMARY "LISOCs"**

BOSCOMBE DOWN UK MSC #037460  
N 51 10 W 001 44 ELEV 407 FT EGDM

PARTS A - F HOURS SUMMARIZED: 0000 - 2300  
HRS VARIABLE

PERIOD OF RECORD:  
HOURLY OBSERVATIONS: MAY 77 - APR 87  
SUMMARY OF DAY DATA: NONE

**FEDERAL BUILDING**  
"Approved for public release;  
Distribution Unlimited."  
**ASHEVILLE, N.C. 28801 - 2723**

88 1 26 02 3

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY

STATION NUMBER: 0374 STATION NAME: BOSCOMBE DOWN UK NL

PERIOD OF RECORD:

HOURLY OBSERVATIONS: MAY 77 - APR 87

SUMMARY OF DAY DATA: NO AWS FROMS 10A AVAILABLE FROM WHICH TO OBTAIN DATA.

TIME CONVERSION LST TO GMT: 0

Accession for	
NTIS (GPO)	<input checked="" type="checkbox"/>
ERIC (ED)	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justified	<input type="checkbox"/>
By	
Date	
Availability Order	
Date	Availability Order
Specimen	

CALL ID: EGDM

HOURS SUMMARIZED: 0000 - 2300 LST

DATE PRODUCED: 6 JUL 87

OL-4/USAFETAC/MAC/AWS  
ASHEVILLE NC 28801

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARIES--LISOCs

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUPPLEMENTAL DATA: DATA DERIVED FROM EARLIER PERIODS IF AVAILABLE, AND/OR FROM ONE OR MORE REPRESENTATIVE SITES AND COMBINED BY A METEOROLOGIST.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

HOURLY SUMMARIES CONTAINING "TOTALS" AND "ALL HOURS" ARE ONLY FOR THOSE HOURS SUMMARIZED. IN COMPUTING THESE VALUES THE VALUES IN THE 3-HOUR TIME GROUPS WERE ADDED AND DIVIDED BY THE NUMBER OF GROUPS.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "MAN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART F: PRESSURE SUMMARIES

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX 10 THROUGH 91. IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

NOTE: THE FIRST AND LAST HOUR GROUPS MAY OR MAY NOT CONTAIN ALL THREE HOURS. SEE HOURS SUMMARIZED ON COVER OR STATION HISTORY SHEET TO DETERMINE WHICH HOURS ARE INCLUDED IN THESE TWO HOUR GROUPS.

STATION NO OR SURNAME 037460		STATION NAME BOSCOMBE DOWN UK		LATITUDE 51 10 N		LONGITUDE 001 44 W		FIELD ELEV (FT) 403		CALL SIGN BODM		WHO NUMBER	
<b>STATION LOCATION AND INSTRUMENTATION HISTORY</b>													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT BARS					
1	Boscombe Down UK	BMD	UNK	DEC 82	51 10 N	001 45 W	403	UNK	24				
2	Same	Same	Jan 82	Apr 87	SAME	001 44 W	407	UNK	24				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
		UNKN	UNKN	UNKN									

USAFETAC

FORM  
NOV 75

0-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

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## WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

### WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

### NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN

HOURS (LST)	TS TMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		15.3	.3	5.0		18.7	12.8	14.0			26.8	884
03-05		16.2	.2	3.9	.1	19.2	12.5	13.2			25.7	891
06-08		16.0	.6	4.4		19.8	12.1	10.7	.1		22.9	891
09-11		16.9		5.7		20.7	11.4	10.4			21.9	883
12-14		16.5	.1	5.1	.1	21.1	6.0	12.9			18.8	886
15-17		16.5	.1	4.6	.1	20.2	4.4	13.8			18.2	892
18-20		14.2	.2	3.3		17.0	6.7	17.0	.2		24.0	892
21-23		15.1	.2	2.9		17.9	9.4	16.9	.1		26.4	887
TOTALS		15.8	.2	4.4	.0	19.3	9.4	13.6	.1		23.1	7106

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB

HOURS (LST)	TS TMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		15.2	.1	6.6		21.1	13.1	25.7	.1		38.9	833
03-05		16.6	.7	7.0		23.2	15.3	23.9			39.2	837
06-08		16.2	.2	5.2		20.9	16.4	24.3	.2		41.4	842
09-11		17.3		5.0		22.0	11.6	26.9	1.0		39.4	837
12-14		14.8		4.4		19.2	3.6	21.6	.6		25.7	843
15-17		15.9		4.3		19.7	3.1	21.1	.6		24.8	834
18-20		14.5	.1	4.2		17.9	5.9	25.3	.4		31.5	837
21-23		15.4	.4	5.6		20.8	10.2	25.4			35.6	835
TOTALS		15.7	.2	5.3		20.6	10.0	24.3	.4		34.6	6698

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR

HOURS (LST)	TSMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		20.3		2.9		22.3	11.9	13.4			25.4	922
03-05		21.8		3.5		24.2	14.5	12.6			27.1	923
06-08		21.5		3.7	.1	24.1	15.7	12.9			28.6	924
09-11	.1	22.6		4.0		25.3	6.1	13.0			19.1	922
12-14		21.1		2.9	.1	23.3	1.0	12.6			13.6	918
15-17	.1	21.5		2.0	.1	23.1	.4	12.8			13.2	922
18-20		21.4		1.6		22.4	2.6	14.4			17.0	921
21-23		17.7		1.7		18.7	7.6	15.1			22.7	922
TOTALS	.0	21.0		2.8	.0	22.9	7.5	13.4			20.8	7374

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR

HOURS (LST)	TSMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		13.9		1.2		14.4	8.3	14.9			23.3	890
03-05		12.2		1.3		13.1	13.5	19.7			33.3	893
06-08		14.1		.7		14.4	10.0	20.5			30.6	896
09-11		14.1		.4	.1	14.5	1.5	13.3			14.8	894
12-14		13.5		.5	.2	14.0	.1	7.2			7.3	888
15-17	.3	13.2		.2	.1	13.3		5.8			5.8	894
18-20		12.3		.6		12.7	.6	11.9			12.4	892
21-23	.1	14.1		.3		14.5	3.4	15.0			18.4	885
TOTALS	.1	13.4		.7	.1	13.9	4.7	13.5			18.2	7132

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.5	13.1				13.1	11.9	12.8			24.6	925
03-05	.3	13.3				13.3	20.9	12.8			33.7	928
06-08	.2	15.7				15.7	9.5	18.1			27.6	927
09-11		16.1				16.1	.4	14.3			14.7	924
12-14	.4	14.7		.3	.1	14.9		8.4			8.4	918
15-17	1.1	13.3			.2	13.5		6.1			6.1	924
18-20	.5	12.2		.2		12.2	1.1	8.1			9.2	923
21-23	.2	12.6				12.6	4.3	15.4			19.8	926
TOTALS	.4	13.9		.1	.0	13.9	6.0	12.0			18.0	7395

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.3	12.7				12.7	11.3	13.1			24.3	880
03-05	.6	13.6				13.6	19.9	11.9			31.8	883
06-08	.2	13.3				13.3	8.2	16.3			24.5	883
09-11	.1	11.8				11.8	.4	13.2			13.6	889
12-14	.7	9.2				9.2	.1	6.8			6.9	884
15-17	.9	10.4				10.4		5.4			5.4	884
18-20	.6	10.1			.1	10.3		5.7			5.7	877
21-23	.5	11.8				11.8	3.4	10.6			14.0	880
TOTALS	.6	11.6			.0	11.6	5.4	10.4			15.8	7060

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.4	9.3				9.3	9.2	13.6			22.8	902
03-05	1.1	10.1				10.1	18.0	16.8			34.7	913
06-08	.4	10.3				10.3	6.0	17.3			23.3	900
09-11	.4	8.7				8.7	.5	11.0			11.5	910
12-14	.3	6.9				6.9		7.7			7.7	900
15-17	.8	7.9				7.9		5.2			5.2	910
18-20	.3	7.6				7.6		6.9			6.9	905
21-23	.4	8.0				8.0	1.7	14.8			16.5	905
TOTALS	.5	8.6				8.6	4.4	11.7			16.1	7245

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.1	11.3				11.3	12.4	16.3			28.7	890
03-05		11.1				11.1	25.7	13.2			38.9	914
06-08	.3	11.5				11.5	16.4	15.4			31.7	899
09-11	.1	11.0			.1	11.1	.9	12.4			13.3	910
12-14	.1	10.0				10.0		7.6			7.6	911
15-17		10.8				10.8		8.6			8.6	899
18-20	1.1	13.2				13.2	.3	11.2			11.5	896
21-23	.7	11.3				11.3	4.3	18.9			23.2	901
TOTALS	.3	11.3			.0	11.3	7.5	13.0			20.4	7220

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.1	10.9				10.9	16.0	12.9			28.9	889
03-05	.1	13.0				13.0	22.1	11.3			33.5	890
06-08		12.8				12.8	19.9	10.9			30.8	884
09-11		14.6				14.6	2.7	12.9			15.6	890
12-14		10.1				10.1	.6	9.2			9.8	887
15-17	.2	10.7				10.7	.6	10.0			10.5	891
18-20	.2	10.2				10.2	2.1	15.9			18.0	889
21-23	.1	11.3				11.3	10.1	17.2			27.2	885
TOTALS	.1	11.7				11.7	9.3	12.5			21.8	7105

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		13.9				13.9	20.0	9.8			29.8	923
03-05		15.7				15.7	22.2	8.9			31.1	924
06-08		17.3				17.3	23.6	9.8			33.4	925
09-11	.1	16.7				16.7	7.0	12.8			19.8	923
12-14		17.6				17.6	.9	10.4			11.3	919
15-17		17.6				17.6	.3	11.5			11.9	919
18-20		15.6				15.8	5.2	17.1			22.3	925
21-23	.1	16.6				16.6	12.1	11.1			23.2	922
TOTALS	.5	16.4				16.4	11.4	11.4			22.9	7380

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV

HOURS (LST)	TS/TMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		16.3		.4		16.4	14.5	12.7			27.3	895
03-05		18.5		.4		18.6	14.2	10.9			25.1	896
06-08		15.7		.6		15.9	17.5	10.2			27.7	893
09-11		14.7		.4		14.9	10.9	12.7			23.5	892
12-14		18.9		.8		19.2	4.1	9.6			13.8	892
15-17		21.3				21.3	4.0	11.0			15.0	893
18-20		18.7		.4		18.8	8.2	12.3			20.5	893
21-23		17.7		.3		17.7	11.3	12.3			23.5	897
TOTALS		17.7		.4		17.9	10.6	11.5			22.1	7151

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC

HOURS (LST)	TS/TMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		21.3		2.0		22.3	14.0	7.4			21.4	897
03-05		22.2		1.4		23.1	14.7	8.2	.1		23.0	900
06-08		22.4		2.5		23.9	14.0	7.5	.2		21.7	896
09-11		21.5		2.0		23.0	11.5	10.5	.2		22.3	901
12-14		18.9		1.2		20.0	5.6	10.9			16.5	899
15-17		20.3		1.7		21.8	6.3	10.7			16.9	891
18-20		21.2		1.9		22.5	10.5	11.0			21.5	901
21-23		20.6		2.1		22.0	13.6	9.1			22.7	903
TOTALS		21.1		1.9		22.3	11.3	9.4	.1		20.8	7188

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87  
MONTH: ALL

HOURS (LST)	TSMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBSY TO VISION	TOTAL OBS
JAN ALL		15.8	.2	4.4	.0	19.3	9.4	13.6	.1		23.1	7106
FEB		15.7	.2	5.3		20.6	10.0	24.3	.4		34.6	6698
MAR		.0	21.0	2.8	.0	22.9	7.5	13.4			20.8	7374
APR		.1	13.4	.7	.1	13.9	4.7	13.5			18.2	7132
MAY		.4	13.9	.1	.0	13.9	6.0	12.0			18.0	7395
JUN		.6	11.6		.0	11.6	5.4	10.4			15.8	7060
JUL		.5	8.6			8.6	4.4	11.7			16.1	7245
AUG		.3	11.3		.0	11.3	7.5	13.0			20.4	7220
SEP		.1	11.7			11.7	9.3	12.5			21.8	7105
OCT		.0	16.4			16.4	11.4	11.4			22.9	7380
NOV			17.7	.4		17.9	10.6	11.5			22.1	7151
DEC			21.1	1.9		22.3	11.3	9.4	.1		20.8	7186
TOTALS		.2	14.9	.0	1.3	.0	15.9	8.1	13.1	.1	21.2	86054

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BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS  
DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE  
VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN  
FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY  
LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN  
THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	1.5	2.5	1.6	.5	.3						6.8	9.7
NNE	.1	.6	.6	.3	.5	.2						2.3	11.3
NE	.5	.3	.6	.5	.1	.1						2.0	9.0
ENE		.2	.9	1.7	.7	.3						3.8	13.6
E	.6	.5	2.0	2.4	.3	.3						6.1	10.8
ESE	.3	1.0	.7	.9		.2						3.2	9.4
SE	.2	.9	1.6	.9	.2	.6						4.3	10.8
SSE	.3	1.1	1.4	.5	.8	.3	.1					4.5	11.1
S	.3	1.4	3.1	1.1	.7	.7	.1					7.4	11.2
SSW	.2	.5	1.8	1.8	.7	.2	.1					5.3	12.1
SW	.3	.1	2.3	2.4	.6	.8						6.4	12.4
WSW	.2	2.5	3.1	3.9	.2	.2						10.1	9.9
W	1.0	1.8	2.8	5.2	2.7	1.0	.3					14.9	12.9
WNW	2.0	2.0	1.4	2.1	1.2	.2						9.0	9.3
NW	1.0	.7	1.6	.7	.3							4.3	7.9
NNW	.6	1.9	1.2	.5	.2							4.4	7.3
VARIABLE													
CALM	////////////////////											5.1	////
TOTALS	8.3	17.0	27.4	26.2	9.7	5.7	.7					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 884

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: JAN HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.5	1.9	1.9	.4	.6					6.6	10.2
NNE	.4	.7	1.1	.3	.6						2.7	10.0
NE	.1	.8	1.3	1.2	.1	.2					3.8	10.4
ENE	.3	.2	1.3	1.0	.7	.2					3.8	11.7
E	.4	1.1	2.2	1.6	.7	.4					6.5	10.8
ESE	.3	.4	1.0	1.1	.2	.2					3.4	10.5
SE	.6	1.2	1.5	.3	.1			.1			3.8	7.9
SSE	.1	1.0	1.7	1.0	.6	.1	.2				4.7	11.4
S	.4	.4	2.4	.7	.6	.6					5.3	11.3
SSW	.8	.2	1.9	1.9	.4	.4	.2				5.9	11.8
SW	.2	.3	1.9	2.6	1.7	.7	.1				7.5	13.7
WSW	.7	1.7	2.6	3.5	.7						9.1	10.0
W	1.0	2.4	2.6	5.7	2.1	.8	.1				14.7	11.9
WNW	1.3	1.6	1.6	3.1	1.0	.2					9.0	10.3
NW	.9	1.5	2.2	1.0	.4						6.1	8.4
NNW	.8	.4	1.3	.4							3.0	7.1
VARIABLE												
CALM	////////////////////										4.0	////
TOTALS	9.0	15.0	28.6	27.7	10.3	4.5	.7	.1			100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMRE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	.7	2.1	1.7	.7							6.8	8.6
NNE	.1	.8	1.0	1.3	.3							3.6	10.3
NE	.2	.6	.8	1.3	.1							3.0	9.4
ENE	.6	.8	1.3	2.1	.6							5.4	10.4
E		.6	2.5	1.9	.4	.6						5.8	11.8
ESE	.4	.1	.6	.6	.1	.1						1.9	9.5
SE	.2	.6	1.1	.8	.1	.2						3.0	10.1
SSE		.7	2.4	.9		.1						4.0	9.4
S	.6	2.2	4.4	1.1	.4	.3						9.1	9.0
SSW	.6	.7	2.1	1.1	.6	.3						5.4	10.8
SW	.4	.4	1.6	2.4	1.1	.9						6.8	13.2
WSW	.6	.3	2.1	3.8	.9	.1						7.9	11.5
W	.9	1.7	3.0	5.9	2.7	1.1	.1					15.5	12.5
WNW	1.1	1.9	2.0	2.9	.8							8.8	9.5
NW	1.8	1.1	1.0	2.1	.1							6.2	7.8
NNW	.8	.6	1.1	1.3								3.8	8.4
VARIABLE													
CALM	////////////////////											2.9	////
TOTALS	10.0	13.7	29.2	31.3	9.0	3.8	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.7	1.1	2.3	.3							5.5	9.8
NNE	.5	.5	1.2	1.8	.2							4.2	9.9
NE	.2	.2	1.7	.3								2.5	8.3
ENE	.5	.3	2.0	1.8	.3	.1						5.1	10.5
E	.1	.9	2.8	1.8	.9	.6						7.1	11.8
ESE	.1	.6	.9	.8	.1							2.5	9.0
SE	.5	.6	.9	.9								2.7	7.8
SSE	.1	1.2	2.2	.5	.2	.2						4.4	9.3
S	.5	1.5	3.7	1.9	.6	.5						8.6	10.3
SSW	.5	.6	1.7	2.3	.7	.8	.3					6.8	13.1
SW	.3	.6	1.0	2.9	1.0	.1						5.9	11.9
WSW	.2	.7	1.4	4.2	.9	.2						7.6	12.0
W	1.0	1.6	2.2	8.0	2.2	.8	.6	.1				16.4	13.2
WNW	1.7	1.7	1.9	3.3	.7	.9						10.2	10.6
NW	.9	1.1	.9	1.8	.2							5.0	7.8
NNW	.7	1.1	.7	1.7								3.7	8.2
VARIABLE													
CALM	////////////////////											1.7	////
TOTALS	8.3	14.4	26.4	35.7	8.4	4.2	.9	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS: 883

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	.7	2.1	2.5	.5							6.0	10.5
NNE	.1	.3	1.2	1.7	.1							3.5	10.5
NE		.5	1.8	1.7	.5							4.0	10.5
ENE	.1	.5	1.6	.9		.2	.1					3.3	10.8
E	.5	.7	1.8	2.8	.8	.3						6.9	11.8
ESE	.7		1.0	.5	.2							2.4	8.3
SE	.8	.8	1.0	1.2	.1							4.0	8.4
SSE	.3	.6	.6	.8								2.3	8.7
S	.9	1.9	2.1	3.3	.6	.6						9.4	10.4
SSW	.2	.5	1.6	2.3	1.1	.7	.3	.1				6.8	14.5
SW	.2	.2	1.4	2.0	1.7	.6	.1					6.2	14.5
WSW	.6	.3	2.0	3.5	.8							7.2	11.2
W	.3	1.4	2.8	6.3	3.7	1.4	.3					16.3	14.2
WNW	.9	.7	1.8	3.5	2.4	1.2	.6	.1				11.2	14.4
NW	.9	.7	1.2	1.5	1.0	.8						6.1	12.1
NNW	.5	.8	.6	1.7	.6							4.1	10.5
VARIABLE													
CALM	////////////////////											.7	////
TOTALS	7.2	10.4	24.7	35.6	14.0	5.8	1.5	.2				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS: 886

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMRE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.0	1.8	1.5	2.4	.2							6.8	8.5
NNE	.6	.8	1.2	1.9	.2							4.6	9.2
NE	.3	.7	.8	.6	.3							2.7	9.2
NNE	.2	.4	1.0	1.3	.3	.3						3.7	11.8
E	.1	1.0	1.6	1.7	1.2	.3						5.9	11.8
ESE	.1	1.2	1.3	.4			.1					3.3	8.4
SE	.2	1.1	.7	1.7	.2	.1						3.6	9.9
SSE	.4	1.1	.3	.4	.4	.1						2.9	9.0
S	1.1	2.2	2.1	2.7	1.1	.2						9.5	9.8
SSW	.6	.7	1.7	1.2	.9	.1						5.2	11.0
SW		.7	1.2	1.6	2.2	.4	.4					6.2	16.0
WSW	.2	1.3	2.9	2.5	.6	.3						7.8	10.5
W	.3	1.0	2.9	7.4	2.7	1.5	.6					16.4	14.2
WNW	.9	.9	2.1	3.6	1.3	1.1						10.0	12.6
NW	.4	1.0	2.1	2.0	.3	.6						6.5	10.8
NNW	.3	.4	1.0	1.9	.1	.2						4.4	10.6
VARIABLE													
CALM	////////////////////////////////////											.6	////
TOTALS	7.0	16.4	24.6	32.7	12.3	5.4	1.1					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	1.7	1.8	1.8							6.6	7.7
NNE		.9	1.5	1.0	1.0						4.4	11.0
NE	.1	.9	1.1	.9	.3						2.9	9.1
ENE	.2	.6	.7	1.0	.2	.3					3.0	11.3
E	.4	1.0	1.7	2.6	1.6						7.3	11.6
ESE	.1	.6	1.0	1.5	.4						3.6	10.8
SE	.2	1.1	1.1	.3	.7	.1					3.6	9.8
SEF	.3	.6	.9	.9		.2					2.8	9.3
S	.3	1.3	2.7	2.0	.8	.2					7.4	10.5
SSW	.2	1.2	2.4	2.4	1.0						7.2	10.7
SW	.2	.6	1.9	2.6	.8	.8	.1	.2			7.2	13.6
WSW	.6	.9	2.7	3.3	.3	.1					7.8	10.5
W	1.8	1.2	3.5	7.0	1.9	1.0	.6				16.9	12.2
WNW	.9	1.9	1.5	2.9	.6	.4					8.2	9.9
NW	.4	1.0	.9	1.6	.2	.2					4.4	9.9
NNW	.7	1.3	1.5	1.0		.1	.2				4.8	8.7
VARIABLE												
CALM	////////////////////										1.9	////
TOTALS	8.0	16.4	26.7	32.1	9.9	3.6	.9	.2			100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 892



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.1	1.5	2.0		.3						5.7	9.2
NNE	.2	.6	1.0	.7	.3	.3						3.2	11.1
NE	.1	.3	1.7	.5	.3							2.9	9.8
ENE		.6	.5	1.9	.3	.3						3.6	13.1
E	.7	1.7	2.5	2.4	1.0							7.8	10.1
ESE	.1	.5	.9	.7	.2	.1						2.5	10.5
SE	.5	.8	1.5	.8	.1	.5	.1					4.2	10.6
SSE	.7	.8	.5	.8	.3	.2	.1					3.4	10.4
S	.5	1.0	3.7	1.9	.7	.3	.1					8.2	10.6
SSW	.5	.6	1.2	2.0	.8	.3						5.4	11.7
SW	.1	.6	3.2	2.5	1.1	.2		.1				7.8	11.9
WSW	.5	1.0	2.6	3.7	.5		.1					8.3	10.8
W	1.2	1.9	2.9	6.5	2.0	.9	.2					15.8	12.0
WNW	1.9	1.7	1.5	2.1	1.0	.3						8.6	9.5
NW	.6	.9	1.7	.7	.5							4.3	8.8
NNW	.9	1.4	1.4	1.1	.1							4.7	7.8
VARIABLE													
CALM	////////////////////											3.6	////
TOTALS	9.0	14.9	28.1	30.3	9.4	3.9	.7	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 887

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.3	1.8	2.0	.3	.2					6.4	9.2
NNE	.3	.6	1.1	1.1	.4	.1					3.5	10.3
NE	.2	.5	1.2	.8	.2	.0					3.0	9.6
ENE	.2	.5	1.2	1.5	.4	.2	.0				4.0	11.6
E	.4	.9	2.1	2.1	.9	.3					6.7	11.3
ESE	.3	.5	.9	.8	.2	.1	.0				2.8	9.6
SE	.4	.9	1.2	.8	.2	.2	.0	.0			3.6	9.5
SSE	.3	.9	1.2	.7	.3	.2	.1				3.6	10.0
S	.6	1.5	3.0	1.9	.7	.4	.0				8.1	10.3
SSW	.4	.6	1.8	1.9	.8	.4	.1	.0			6.0	12.0
SW	.2	.4	1.8	2.4	1.3	.6	.1	.0			6.4	13.4
WSW	.4	1.1	2.4	3.5	.6	.1	.0				8.2	10.7
W	1.0	1.6	2.8	6.5	2.5	1.1	.4	.0			15.9	12.9
WNW	1.4	1.5	1.7	3.0	1.1	.6	.1	.0			9.4	10.9
NW	.9	1.0	1.5	1.4	.4	.2					5.3	9.3
NNW	.6	1.0	1.1	1.2	.1	.0	.0				4.1	8.6
VARIABLE												
CALM	////////////////////										2.6	////
TOTALS	9.3	14.8	26.9	31.5	10.4	4.6	.8	.1			100.0	10.7

TOTAL NUMBER OF OBSERVATIONS: 7106

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.6	2.2	.7	.5							5.8	8.0
NNE	.1	1.4	1.7	2.9	.2	.1						6.4	10.2
NE	.5	.7	1.6	4.4	.8	.5						8.5	12.0
ENE	.4	.7	2.6	4.3	2.0	.2	.1					10.4	12.8
E	1.2	1.6	4.7	7.1	1.3	.7						16.8	11.0
ESE	.2	.4	1.0	1.6								3.1	9.9
SE	.4	1.1	.6	2.5	.5							5.0	10.8
SSE	.4	1.2	1.3	.5	.1	.1						3.6	7.7
S	.5	1.7	2.9	3.2	1.0							9.2	10.4
SSW	.4	.4	1.0	1.9	.6							4.2	11.3
SW		.1	.7	.8	.6	.2	.2					2.8	15.4
WSW	.2	.7	1.4	1.6	.2							4.2	9.9
W	.2	.2	1.0	2.3	.6	.6	.1					5.0	13.8
WNW	1.6	.2	1.3	1.2	.5	.5						5.3	10.0
NW	1.3	.6	.7	.4								3.0	5.5
NNW	.5	.6	1.0	.2	.4							2.6	8.4
VARIABLE													
CALM	////////////////////											4.0	////
TOTALS	8.6	13.4	25.6	35.5	9.4	3.0	.5					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 833

GLOHAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	2.2	2.7	1.6	.1							7.4	7.9
NNE	.1	.6	1.6	2.2	.8	.1						5.4	11.9
NE	.4	.5	1.6	3.6	.7	.2						6.9	11.8
ENE	.8	1.0	2.5	4.2	1.7	.8	.1					11.1	12.6
E	1.1	1.9	6.0	6.2	1.0	.5	.2					16.8	10.8
ESE	.4	.6	1.1	1.8								3.8	9.4
SE	.5	1.0	.2	2.2	.1							3.9	9.7
SSE	.5	.6	1.1	.4								3.0	7.8
S	.7	1.0	3.3	2.0	1.1	.2						8.4	10.4
SSW	.4	.2	1.0	1.9	.7							4.2	12.1
SW	.2	.1	1.1	.5	.6	.4						2.9	12.6
WSW	.2	.4	1.1	1.3	.2							3.2	10.4
W	1.0	.7	1.3	2.2	.5	.4						6.0	10.7
WNW	.6	1.1	1.1	1.2	.8	.7	.1					5.6	11.9
NW	1.2	1.1	.7	.2	.1							3.3	6.0
NNW	.8	.8	1.0		.4							3.0	6.9
VARIABLE													
CALM	////////////////////											5.0	////
TOTALS	9.7	13.6	27.2	31.8	8.8	3.3	.5					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.4	2.3	2.4	.2						7.8	8.3
NNE	.1	.4	1.4	1.9	.6						4.9	10.6
NE	.7	.1	2.3	3.7	1.0	.8					8.1	12.6
ENE	.6	.8	3.7	4.3	1.5	.5					11.4	11.8
E	.8	2.0	5.0	6.4	1.3	.6					16.2	11.0
ESE	1.1	.7	1.1	2.5							5.3	8.9
SE	.6	1.1	.7	1.2							3.6	8.2
SSE	.5	.4	.8	1.0							2.7	8.2
S	.6	.7	3.6	2.9	1.1						8.8	10.5
SSW	.2	.4	1.3	2.6	.1						4.6	11.1
SW	.4	.7	1.0	1.0	.4						2.9	10.0
WSW	.5	.4	.4	1.5							2.7	9.5
W	.7	.6	1.8	2.0	.5	.6					6.2	11.4
WNW	.6	1.5	1.1	.4	.6	.6	.1				5.3	10.5
NW	1.0	.7	.6		.1						2.4	5.5
NNW	.5	1.0	.5	.5	.2	.4					3.0	9.7
VARIABLE												
CALM	////////////////////										4.2	////
TOTALS	9.4	13.9	27.3	34.1	7.6	3.4	.1				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 842

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.3	1.6	2.5	.4						6.6	9.1
NNE	.2	.4	2.6	1.4	.2	.4					5.3	10.7
NE	.4	.5	1.8	3.2	1.0	.6					8.0	12.6
ENE	.6	.5	2.2	3.1	2.3	1.1	.1				9.8	13.9
E	.6	1.3	4.2	7.5	3.3	.4					17.3	12.4
ESE	.6	.9	1.7	2.3	.4						5.7	9.9
SE	.8	1.1	1.2	2.2							5.3	8.8
SSE	.7	1.1	1.3	1.9	.2						5.3	9.0
S	1.1	1.3	2.2	2.7	1.2	.1					8.6	10.5
SSW	.2	.4	1.3	1.9	.7						4.5	11.6
SW		.1	1.3	1.1	.2						2.7	11.1
WSW		.8	.2	1.1	.2						2.6	10.5
W	.5	.7	1.1	2.4	.8	.5	.1				6.1	12.1
WNW	1.2	.1	1.0	.7	.6	.2	.1				3.9	10.2
NW	1.1	.5	.4	.8	.1	.2					3.1	8.7
NNW	.4	1.6	1.1	.5		.4					3.8	8.7
VARIABLE												
CALM	////////////////////										1.3	////
TOTALS	9.2	12.4	25.0	36.2	11.7	3.8	.4				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.1	2.0	2.4	.8						6.6	10.4
NNE	.5	.6	2.8	2.7	.5						7.1	10.5
NE	.1	.6	1.8	2.4	1.5	1.1					7.5	14.2
ENE	.2	.5	1.3	4.2	1.8	1.2					9.1	15.0
E	.2	1.3	3.3	6.0	2.1	.6					13.6	12.6
ESE	.4	.2	1.1	3.9	.9	.2					6.8	13.2
SE	.7	.9	1.2	2.6	.8						6.3	10.5
SSE	.2	.5	1.8	1.5	.2						4.3	10.1
S	1.2	1.3	1.8	3.3	1.5	.2					9.4	11.3
SSW	.5	.4	.2	2.1	.8	.1					4.2	12.7
SW	.1	.1	.6	2.0	.7						3.6	12.9
WSW	.2	.1	.5	2.5							3.3	11.3
W	1.3	.5	.7	2.5	1.4	.5	.1				7.1	12.4
WNN	.2	.2	1.1	1.4	.5	.6					4.0	13.6
NW	.4	.2	.2	.6	.4	.6					2.4	13.6
NNW	.1	.9	1.7	.8		.4					3.9	9.9
VARIABLE												
CALM	////////////////////										.8	////
TOTALS	6.8	9.6	22.1	41.0	14.1	5.5	.1				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.2	1.4	1.9	.6						5.3	10.3
NNE	.2	1.2	2.5	2.9	.1	.1					7.1	10.1
NE		1.1	2.9	2.5	1.6	.7					8.8	12.7
ENE	.2	.7	2.2	3.5	2.4	1.6	.1				10.7	14.9
E	1.4	1.4	3.5	4.3	2.0						13.1	10.7
ESE	.7	.2	2.3	3.7	.2	.4					7.6	11.4
SE		1.4	.7	2.6	.5						5.3	11.2
SSE	.6	.7	.6	1.6							3.5	8.8
S	.2	1.0	2.5	4.0	.8	.5					9.0	11.9
SSW		.2	.2	1.8	1.1						3.4	14.5
SW	.2	.1	.2	1.4	1.2						3.2	13.7
WSW	.2	.6	.4	1.0	.1						2.3	9.7
W	.1	.7	1.2	3.6	2.0	.7	.4				8.8	14.5
WNW	.7	.4	.7	1.1	.5	.1					4.0	9.5
NW	.4	.6	.7	.4	.7	.4					3.1	11.5
NNW		1.3	1.3	.7	.1	.4					3.8	10.0
VARIABLE												
CALM	////////////////////										1.3	////
TOTALS	5.3	13.4	23.4	36.9	14.0	4.8	.5				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 834



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 7A-87  
MONTH: FEB HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.9	2.9	1.3	.2	.4					7.3	8.8
NNE	.2	2.7	2.0	1.4	.4						6.6	9.1
NE	.5	1.0	1.8	4.1	1.4	.2					9.0	11.7
ENE	.5	1.1	1.8	2.4	2.6	1.0					9.3	13.7
E	.6	2.3	3.2	5.1	1.9	.4					13.5	11.2
ESE	.4	1.0	2.0	2.5	.2	.2					6.3	10.4
SE	.5	1.6	1.9	1.7	.4	.4	.1				6.5	10.2
SSE	.5	1.4	1.8	.4							4.2	6.9
S		.4	3.9	2.9	.6	.4					8.6	11.3
SSW	.1	.4	.8	2.5	.7	.2					4.8	13.4
SW	.1	.4	.8	.2	.4	.1					2.0	10.8
WSW		.4	1.2	1.1							3.1	9.1
W	1.0	1.2	1.8	3.0	.5	1.1	.4				8.8	12.4
WNW	.5	.4	.6	1.1		.1					2.9	9.0
NW	.4	.7	.2	.4	.1						2.3	8.6
NNW	.2	1.4	.2	.1	.7						2.7	8.8
VARIABLE												
CALM	////////////////////										2.2	////
TOTALS	6.0	18.4	27.1	30.9	10.2	4.4	.5				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.8	1.2	1.3	.2	.2					5.3	8.8
NNE	.1	1.0	1.6	1.4	.5	.1					5.0	10.5
NE	.5	.7	2.4	4.0	.5	.4					9.4	11.2
ENE	.6	1.1	1.9	4.3	2.8	.6					11.3	13.2
E	.4	1.7	5.0	6.1	1.9	.2					15.3	11.5
ESE	.1	1.0	1.9	1.6	.4						4.9	9.6
SE	.1	1.2	1.0	2.2	.4	.1	.2				5.1	11.7
SSE	.5	1.0	1.1	1.2	.1						3.8	8.5
S	.4	1.4	4.6	2.4	.6	.4					10.1	10.2
SSW	.4	.4	.7	1.9	1.3	.1					4.8	13.2
SW	.2	.2	.7	.7	.6	.4	.2				3.1	14.1
WSW	.4	1.0	1.2	1.7							4.2	9.0
W	.6	1.2	1.4	2.6	.7	.6	.4				7.5	12.1
WNW	1.3	.7	.6	1.0	.1	.1					3.8	7.5
NW	.5	.4	.1	.4							1.6	7.5
NNW	.4	.4	.6	.2	.2						2.3	8.1
VARIABLE												
CALM	////////////////////										3.5	////
TOTALS	6.8	15.4	26.0	33.5	10.3	3.2	.8				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 835

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: FEB HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.7	2.0	1.4	.4	.1						6.5	8.9
NNE	.2	1.0	2.0	2.7	.4	.1						6.0	10.4
NE	.4	.6	2.0	3.5	1.1	.6						8.1	12.3
ENE	.5	.4	2.3	3.3	2.1	.9	.1					10.4	17.4
E	.8	1.8	4.4	6.1	1.9	.4	.0					15.3	11.4
ESE	.5	.6	1.5	2.5	.3	.1						5.4	10.6
SE	.4	1.7	.9	2.1	.3	.1	.0					5.1	10.2
SSE	.5	.9	1.2	1.1	.1	.0						3.8	8.4
S	.6	1.2	3.1	2.7	1.0	.7						9.0	10.8
SSW	.3	.3	.8	2.1	.8	.1						4.3	12.4
SW	.7	.7	.8	1.0	.6	.1	.1					2.9	12.7
WSW	.2	.6	.8	1.5	.1							3.2	9.9
W	.7	.7	1.3	2.6	.9	.6	.2					6.9	12.5
WNW	.8	.7	.9	1.1	.4	.4	.0					4.4	10.4
NW	.8	.6	.5	.4	.2	.1						2.6	8.3
NNW	.4	1.1	.9	.4	.3	.2						3.2	8.9
VARIABLE													
CALM	////////////////////											2.8	////
TOTALS	7.7	13.9	25.5	35.0	10.8	3.9	.4					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 6698

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BO'COMIE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.2	.9	1.4	.1							4.3	8.2
NNF	.4	.1	.5	1.2	.3							2.8	9.9
NE	.2	.5	1.6	1.0	.5							3.9	10.5
ENE	.3	.1	.9	1.7	.4							3.5	11.2
E	.7	.3	1.3	1.2								3.5	8.6
ESE		.1	.5	1.2								2.1	10.8
SE	.5	.8	1.2	1.7	.7	.1						5.0	10.4
SSE	.5	1.1	2.2	1.5								5.3	9.1
S	1.1	1.2	3.9	2.7	.8	1.1	.2					11.0	11.2
SSW	.8	1.1	1.7	4.4	1.8	1.0	.1					11.2	13.0
SW	.7	.7	2.0	2.7	.5	.4	.2					6.6	11.7
WSW	1.1	1.2	1.2	4.1	.8	.2						8.6	10.4
W	1.2	1.4	2.2	2.9	1.5	.2						9.4	10.7
WNW	2.5	2.7	3.1	1.9	.7							10.8	7.4
NW	1.4	1.7	.4	.7		.5						4.8	7.5
NNW	.5	.9	.3	1.0								2.7	7.6
VARIABLE													
CALM	////////////////////											4.6	////
TOTALS	12.7	15.7	24.0	30.4	8.1	3.6	.5					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LEST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.2	1.2	1.0							5.0	7.1
NNE	.2	1.2	.5	1.3	.3						3.6	9.7
NE	.2	.3	.7	1.1	.2	.1					2.6	11.0
ENE	.2		1.1	1.2	.2	.1					3.5	11.8
E	.4	.5	.8	.8							2.5	8.3
ESE	.7	.7	1.0	1.5	.1	.1					3.6	10.2
SE	.7	.7	1.5	1.5	.2	.1					4.8	9.6
SSE	.4	.4	2.3	1.7		.2					4.7	9.3
S	.4	1.3	4.8	4.1	.7	.7	.3				12.1	11.2
SSW	.5	.9	2.2	3.4	1.7	1.3					10.0	13.1
SW	.7	.7	1.6	1.3	1.1	.7					6.2	12.5
WSW	.9	1.4	1.8	3.6	.3	.2					8.2	10.0
W	.9	1.7	2.9	5.1	1.0	.2					11.6	11.0
WNW	2.4	2.7	1.6	1.0	.3	.1					7.9	8.9
NW	1.5	1.8	1.1	.9		.4					5.7	7.4
NNW	1.2	.7	.8	1.0		.3					3.8	8.5
VARIABLE												
CALM	////////////////////										4.7	////
TOTALS	12.2	15.5	25.8	31.1	6.2	4.6	.3				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: D37460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 79-87  
MONTH: MAR HOURS(1ST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.6	1.1	1.2	.1							4.7	7.8
NNE	.3	.5	.6	1.9	.3							3.7	10.6
NE	.3	.7	.5	1.1	.7	.2						3.2	9.7
ENE	.1	.3	.5	1.7		.2						2.9	11.8
E	.6	1.2	1.6	1.4	.1							5.0	8.5
ESE	.1	.4	.8	2.1	.4	.1						4.1	11.6
SE	.3	.7	2.1	1.2	.2							4.3	9.2
SSE	.1	.0	1.2	1.4	.5							4.1	10.7
S	.6	1.7	3.8	4.3	1.4	.4	.1	.1				12.3	11.4
SSW	.3	.7	.9	4.5	1.4	1.1	.1		.1			9.0	15.0
SW	.5	.7	1.1	3.1	1.1	.4	.1					6.9	12.6
WSW	.5	.5	1.4	3.5	.3	.3						6.9	10.8
W	1.0	2.1	3.0	4.4	1.5	.6						12.7	11.0
WNW	2.3	1.4	.8	.6	1.0	.4						6.5	8.5
NW	1.7	1.1	1.6	1.7	.1							6.1	7.3
NNW	1.1	1.7	.7	.4	.4	.3						4.1	9.1
VARIABLE													
CALM	////////////////////											3.5	////
TOTALS	10.7	15.6	21.5	34.7	9.2	4.2	.3	.1	.1			100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.1	1.0	1.5	.7						4.4	10.1
NNE	.3	.7	1.4	1.3	.4						3.8	10.2
NE		.2	.5	1.1	.4	.4					2.9	10.0
ENE	.2	.5	1.8	2.0	.4	.1	.1				5.2	10.9
E	.3	.7	1.0	1.7	.7	.1					4.0	11.4
ESE	.3	.7	.4	.7	.2	.4					2.7	10.7
SE	.3	.4	.8	1.3	1.1						4.8	11.7
SSE	.2	1.3	2.1	1.1	.5						5.2	9.5
S	.2	1.0	1.4	4.6	2.2	.5	.1				10.0	13.4
SSW	.4	.9	.9	2.4	2.0	1.0	.4		.1		8.5	15.3
SW	.1	.3	.9	2.7	2.4	1.0	.1	.1	.1		7.7	16.4
WSW	.2	.7	1.3	3.1	.4	.1	.1				6.3	12.1
W	1.1	.9	2.0	5.0	2.2	1.4	.2				12.7	13.6
WNW	1.4	.5	1.5	2.9	1.5	1.6	.4				10.0	13.7
NW	1.2	.7	.7	1.0	.7	.3					5.3	10.6
NNW	.4	.5	1.1	2.6	.3	.3					5.3	11.7
VARIABLE												
CALM	////////////////////										1.2	////
TOTALS	7.0	11.0	18.7	36.6	16.4	7.4	1.5	.1	.2		100.0	12.6

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60		
N	.1	1.1	.1	3.2	.8							5.2	11.7
NNE	.2	.4	.4	2.0	.4							3.5	11.6
NE		.4	1.6	1.9	.3							4.2	10.8
NNE	.5	.2	.2	1.5	.1	.3						2.9	11.9
E	.2	.7	.7	2.0	.5							4.0	11.5
ESE	.2	.1	.4	.2	.3	.2						1.5	12.9
SE		.1	.9	1.5	1.0	.3						3.8	14.5
SSE	.4	.5	.9	1.7	.2							3.4	9.8
S	.3	.2	2.6	4.4	1.5	1.3						10.8	13.7
SSW	.2	.7	1.3	4.0	3.1	1.1	.4					10.8	15.4
SW		.7	.4	1.2	3.5	1.4	.4					8.0	18.2
WSW	.2	.4	1.5	3.2	1.3	.1	.2					8.2	12.6
W	.2	1.0	1.6	4.0	4.1	1.9	.3					13.4	15.3
WNW	.4	.9	1.2	3.7	1.5	1.9	.2					9.8	14.9
NW	.1	.4	.8	2.0	.4	.3		.1				4.1	13.1
NNW		1.0	1.3	2.7	.7							5.7	11.3
VARIABLE													
CALM	////////////////////											.7	////
TOTALS	3.5	9.2	16.0	40.5	19.8	8.8	1.6	.1				100.0	13.7

TOTAL NUMBER OF OBSERVATIONS: 918



GLOHAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		1.4	1.5	2.0	.7						5.4	10.8
NNE	.2	.3	1.2	1.7	1.2						4.7	12.1
NE		.2	1.6	2.0	.2						4.0	10.7
ENE	.2	.2	.3	1.0	.5	.1	.2				3.5	13.6
E	.2	.5	.5	1.3	.2						2.8	10.7
ESE	.2	.3	.3	.3	.4	.3					2.0	12.7
SE	.1	.2	.5	1.1	1.0						2.9	12.9
SSE	.3		1.0	1.5	.5						3.4	11.5
S	.4	.7	2.9	5.7	.8	.3					10.8	12.0
SSW	.2	.1	1.5	4.4	2.8	2.0	.2				11.3	16.1
SW		.1	.9	2.0	2.3	1.5	.2				6.9	17.2
WSW	.4	.5	.7	2.5	.3	.3	.2				5.0	12.7
W	.4	1.3	2.4	7.0	4.0	1.7					16.9	14.3
WNW	.2	.5	2.4	2.4	2.2	1.6	.1				9.4	14.6
NW	.5	.7	.9	1.0	.3	.1					4.3	10.7
NNW	.4	.5	1.7	2.4	.2	.3					5.9	10.4
VARIABLE												
CALM	////////////////////										.9	////
TOTALS	4.0	7.4	20.4	40.0	17.7	8.4	1.0				103.0	13.2

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	3.1	1.3	.5	.1						5.4	6.8
NNE	.2	1.9	.8	2.1	.8						5.6	10.4
NE	.2	.9	1.3	.7	.1	.1					2.8	9.3
ENE	.2	.2	.9	1.8	.3	.4					3.5	13.0
E		.7	.9	1.1	.1	.2					2.5	11.4
ESE	.3	.7	.9	.9	.4	.1					2.4	9.7
SE	.2	.7	1.7	.8	.9	.1					3.9	9.9
SSE	.3	1.0	1.9	1.1	.9						4.2	9.4
S	.1	2.9	3.8	2.3	1.1	.3	.1				10.6	10.2
SSW	.1	1.2	3.1	3.6	1.8	2.1	.1				12.1	14.1
SW	.2	.2	1.7	3.1	1.1	.9	.1				6.9	13.0
WSW	.1	.9	1.5	2.5	.9	.2					5.5	11.3
W	1.2	2.0	5.0	5.0	1.8	1.3					16.3	11.4
WNW	.3	2.0	1.5	2.1	1.6	.7					8.1	11.9
NW	.9	1.1	.5	1.1	.2						3.4	8.6
NNW	.2	1.6	1.8	.7	.1	.1					4.6	8.3
VARIABLE												
CALM	////////////////////										2.1	////
TOTALS	9.6	20.3	26.9	28.8	11.0	6.1	.3				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	2.7	.8	.5							3.6	6.8
NNE	.5	1.4	.7	1.7	.4						4.8	9.4
NE	.1	.7	.8	1.4	.4	.1					3.5	11.3
ENE	.3	.2	1.0	2.7	.3						3.8	11.5
E	.9	.2	.8	1.5	.1						4.1	8.2
ESE	.4	.8	.8	.9	.3	.1					3.3	9.5
SE	.5	.4	.9	1.1	.1	.3					3.7	9.9
SSE	.7	1.4	1.8	1.7	.1	.2	.1				6.1	9.4
S	1.4	1.7	3.7	2.0	.8	1.0					10.5	10.1
SSW	.3	.5	2.3	4.0	1.1	1.0	.1	.1			9.4	13.6
SW	.5	.7	1.8	3.1	.7	.8	.2				7.8	12.6
WSW	.2	.9	2.1	2.4	.7	.1					6.3	11.2
W	1.5	2.7	3.5	4.8	1.3	.1					13.9	9.8
WNW	1.3	2.1	2.2	2.7	.5	.2					8.9	9.2
NW	.9	1.2	.7	.9		.7					4.1	9.0
NNW	.7	1.0	.8	.3	.1	.2					3.0	7.8
VARIABLE												
CALM	////////////////////										3.3	////
TOTALS	10.4	18.2	24.3	30.2	6.9	4.8	.4	.1			100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.7	1.0	1.4	.3						4.8	8.7
NNE	.3	.8	.8	1.6	.5						4.1	10.5
NE	.1	.5	1.1	1.3	.3	.1					3.4	10.9
ENE	.3	.2	.8	1.8	.3	.2	.0				3.6	11.9
E	.4	.7	.9	1.3	.2	.0					3.6	9.8
ESE	.3	.5	.6	.7	.3	.2					2.7	10.8
SE	.3	.6	1.2	1.4	.6	.1					4.1	10.9
SSE	.4	.8	1.6	1.4	.3	.1	.0				4.5	9.6
S	.6	1.3	3.4	3.8	1.1	.7	.1	.0			11.0	11.7
SSW	.4	.8	1.7	3.9	2.0	1.3	.2	.0	.0		10.3	14.5
SW	.3	.4	1.3	2.5	1.6	.8	.2	.0	.0		7.1	14.4
WSW	.5	.9	1.4	3.2	.6	.2	.1				6.9	11.3
W	.9	1.6	2.8	4.8	2.2	.9	.1				13.4	12.2
WNW	1.4	1.6	1.8	2.2	1.2	.8	.1				8.9	11.1
NW	1.0	1.1	.8	1.3	.2	.3		.0			4.7	9.1
NNW	.6	.9	1.0	1.4	.2	.2					4.4	9.7
VARIABLE												
CALM	////////////////////										2.5	////
TOTALS	8.1	14.2	22.2	34.2	11.9	6.0	.8	.1	.0		100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 7374

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.5	2.5	2.6	.9	.4			7.9	7.3
NNE	1.5	1.7	.6	2.6	.4			6.3	9.2
NE	.7	1.1	1.5	2.9	.7			6.9	10.0
ENE	.4	.4	1.5	2.5	1.0			5.6	11.6
E	1.1	1.2	2.1	1.5	.3			6.3	7.8
ESE	.4	.9	1.3	.6				3.1	7.6
SE		.9	1.5	1.1				3.5	8.9
SSE	.4	1.1	1.5	.2	.3			3.6	8.0
S	.4	2.6	3.6	2.5	.1			9.2	8.5
SSW	.4	.3	1.5	1.8	.3	.2		4.6	10.9
SW	.7	.2	.7	1.1	.7			3.4	10.7
WSW	.6	.7	.4	1.1	.1	.1		3.0	9.1
W	1.8	2.6	2.8	2.0	.6	.3		10.1	8.4
WNW	2.6	3.9	2.1	.9	.2			9.8	5.9
NW	1.3	1.7	.9	.2				4.2	5.4
NNW	1.6	2.1	1.6	.8	.1			6.2	6.4
VARIABLE									
CALM	////////////////////							6.2	////
TOTALS	15.5	23.5	26.1	22.7	5.4	.7		100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UX

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	4.0	2.7	1.0	.8						9.2	8.0
NNE	.2	.6	1.5	2.4	.3	.1					5.0	10.8
NE	.4	.7	1.9	1.6	.2						5.2	8.9
ENE	.9	.4	1.1	3.1	.6						6.5	10.6
E	.7	1.9	3.6	1.5	.2						7.8	8.4
ESE	.4	.4	1.0	1.0							3.2	8.0
SE	.8	.6	1.3	1.0							3.7	7.5
SSE	.1	1.1	1.2	1.0	.2						3.7	8.8
S	.9	1.9	2.0	1.8	.3						6.9	8.2
SSW	.4	.4	1.5	1.0	1.0						4.4	11.0
SW		.4	1.1	.3	.6						2.8	10.3
WSW	.8	.7	1.1	1.2							3.8	8.1
W	1.7	2.4	2.1	2.5	.1	.6					9.3	8.5
WNW	2.9	2.7	2.5	.9	.1						9.1	6.0
NW	1.7	1.9	1.5	.9							5.9	6.1
NNW	2.4	2.7	2.6	1.2							8.8	6.3
VARIABLE												
CALM	////////////////////										4.6	////
TOTALS	15.3	23.9	28.7	22.4	4.5	.7					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 7A-87  
MONTH: APR HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.0	2.9	3.6	.4						9.5	9.6
NNE	.3	1.1	1.5	2.7	.4	.1					6.1	10.7
NE	.4	.8	1.8	3.0	.1						6.1	9.8
NNE	.6	.4	1.2	2.9	.6						5.7	11.0
E	1.3	1.2	3.3	2.3							8.3	8.1
ESE	.4	.7	1.1	.9	.1	.1					3.2	8.7
SE	.7	.4	1.0	1.6	.7						4.4	10.6
SSE	.2	.6	1.6	1.0	.1	.1					3.6	9.5
S	.2	1.0	4.1	1.7	.6						7.6	9.4
SSW	.4	.3	.7	.9	.6	.1					3.0	11.1
SW	.3	.7	.6	1.5	.6						3.2	11.1
WSW	.3	.9	1.1	.7							3.2	8.1
W	2.3	1.3	2.2	2.7	.4						9.0	8.3
WNW	2.9	2.1	2.6	1.0		.1					8.7	6.4
NW	2.1	2.0	2.1	1.3	.1						7.7	6.7
NNW	1.1	2.1	2.8	1.1	.4						7.6	7.9
VARIABLE												
CALM	////////////////////										3.0	////
TOTALS	14.4	17.4	30.6	28.9	5.1	.6					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: APR HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.3	2.2	3.6	5.0	.4	.4		12.1	10.6
NNF	.2	.2	1.7	4.7	.9	.4		8.2	12.6
NE		.6	1.3	2.0	.7			4.6	11.7
ENE	.2	.3	.9	4.7	.8	.3		6.8	13.1
E	.2	.7	1.9	2.9	.3			6.0	10.2
ESE	.8	.3	1.1	1.5	.3			4.0	10.1
SE	.6	.7	.7	2.8	.4	.1		5.3	11.4
SSE	.3	.9	1.7	1.6	.4	.2		5.1	10.4
S	.1	1.5	2.9	2.2	.9	.3		7.9	10.9
SSW	.3	.6	1.5	2.0	.9	.2		5.5	11.7
SW	.2	.1	.4	1.5	.3			2.6	11.5
WSW	.1	.8	1.7	1.7	.2			4.5	10.0
W	.4	1.7	2.5	2.8	.4	.4		7.9	10.5
WNW	.8	.4	.8	2.1	1.1	.3		5.9	11.5
NW	.2	1.2	2.8	2.2	.1			6.6	9.5
NNW	.7	1.9	1.1	2.2	.3			6.3	9.0
VARIABLE									
CALM	////////////////////							.7	////
TOTALS	5.6	14.1	26.5	41.5	8.7	2.9		100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 894



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.2	3.0	3.2	.6	.3					9.6	10.8
NNE	.2	.3	1.9	5.0	.7	.7					8.8	12.7
NE	.2	.6	1.1	2.5	.8						5.2	11.7
ENE	.3	.5	.5	3.4	1.5	.5					6.5	14.0
E		.8	1.2	1.9	.3	.1					4.3	11.4
ESE	.2	.1	.8	1.9	1.0	.2					4.2	13.2
SE	.1	.5	.8	2.6	1.2	.2					5.4	13.5
SSE	.1	.5	.6	1.6	.6						3.3	11.9
S	.9	1.0	1.2	5.1	1.2	.5					9.9	11.9
SSW	.1	.3	1.5	2.6	1.7	.7	.1				7.0	14.5
SW	.2	.5	.8	2.0	.5	.2					4.2	12.3
WSW	.3	.5	.7	2.1	.2						3.8	10.5
W	.1	.8	2.7	5.0	.2	.7					9.5	11.9
WNW	.1	.9	1.0	2.7	1.0	.2					6.0	12.5
NW	.2	.6	1.1	2.5	.1						4.5	10.8
NNW	.5	1.2	2.7	3.6	.1						8.1	10.1
VARIABLE												
CALM	////////////////////										.9	////
TOTALS	3.9	10.1	21.6	47.3	11.7	4.3	.1				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS: 888

GLOHAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 79-87  
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.2	3.1	4.4	.7	.1					9.6	11.0
NNE	.3	1.7	2.9	5.3	.7	.6					11.4	11.1
NE	.1	.4	1.6	2.0	1.2	.2					5.6	12.4
ENE	.1	.4	.6	2.5	1.2	.3					5.2	14.1
E	.2	.2	.3	1.6	.3						2.7	12.1
ESE	.4	.3	.4	1.8	.8						3.8	11.7
SE	.2	.3	1.2	3.9	.8						6.5	12.1
SSE	.2	.3	1.0	1.7	.7						4.1	11.8
S	.9	.4	1.9	3.2	.6	.2					7.3	11.0
SSW	.1	.7	1.1	2.6	1.8	.8	.2				7.3	14.5
SW	.2	.9	1.0	2.6	1.2	.6					6.5	13.4
WSW	.4	.1	1.0	.2	.4						2.9	10.4
W	.2	1.0	1.8	6.0	.9	.2	.1				10.3	12.3
WNW	.1	1.2	1.5	3.2	.6	.1	.1				6.8	11.2
NW	.1	.8	1.0	1.7	.1	.1					3.8	10.5
NNW	.6	.7	1.2	3.2	.2						5.9	10.6
VARIABLE												
CALM	////////////////////										.2	////
TOTALS	4.5	10.9	21.7	46.9	12.2	3.2	.4				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATION\*

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	3.4	3.0	3.1	.1						10.7	8.5
NNE	.2	2.2	3.8	2.6	.6	.4					9.9	10.3
NE		1.1	2.1	1.7	.8						5.7	10.5
NNE	.2	.2	.4	2.5	.9	.2					4.5	13.7
E	.7	.7	1.8	1.3	.2						4.7	8.8
ESE	.3	.4	2.9	.9	.1						4.7	9.2
SE	.2	.7	1.8	1.2	.3						4.3	10.1
SSE	.6	1.1	1.1	1.2	.3						4.4	8.7
S	.9	1.8	3.7	1.7	.9	.2					9.2	9.4
SSW	.6	.7	2.0	2.6	.9	.6					7.0	12.3
SW		.6	1.6	1.1	1.0	.2					4.5	12.3
WSW		1.1	.8	1.1	.1	.1					3.3	9.6
W	.3	1.5	3.7	4.5	.7	.2					10.9	10.5
WNW	.4	2.1	2.8	1.9	.1	.1					7.5	8.7
NW	.3	.4	.8	.9	.3						2.8	9.9
NNW	.2	1.7	1.1	1.1	.1	.1					4.4	8.8
VARIABLE												
CALM	////////////////////										1.8	////
TOTALS	5.7	19.6	33.5	29.6	7.5	2.2					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 74-87  
MONTH: APR HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	3.1	1.8	1.1	.7	.1					7.7	7.5
NNE	.7	1.1	1.7	2.6	.7	.1					6.3	10.8
NE	.8	.7	2.0	2.0	.5						6.0	9.8
ENE	.5	.6	1.1	2.0	1.0	.1					5.3	11.8
E	.8	1.4	3.4	2.8	.5						8.8	9.2
ESE	.3	1.2	1.8	.7	.1						4.2	7.9
SE	.2	1.1	1.4	.8							3.5	8.0
SSE	.5	.6	1.5	.7	.2						2.9	7.7
S	.6	2.5	3.4	1.1	.2	.3					8.1	8.5
SSW	.7	.9	3.1	1.6	.8						7.0	9.8
SW	.6	.5	1.2	.8	.7	.1					3.8	10.4
WSW	.5	.9	1.4	.8	.2						3.8	8.7
W	1.5	2.0	4.0	3.1	.1	.5					11.3	8.9
WNW	2.0	3.2	1.9	.6							7.7	5.7
NW	1.4	2.1	1.1	.7							4.9	5.1
NNW	1.4	1.2	1.0	1.4	.1						5.1	7.3
VARIABLE												
CALM	////////////////////										3.5	////
TOTALS	13.0	23.1	31.8	22.0	5.4	1.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 885

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATION

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	2.5	2.8	2.9	.5	.1						9.4	9.3
NNE	.4	1.1	1.9	3.4	.6	.3						7.8	11.1
NE	.4	.7	1.7	2.7	.6	.0						5.7	10.6
ENE	.4	.5	.9	2.7	.9	.2						5.8	12.4
E	.6	1.0	2.2	2.0	.3	.0						6.1	9.1
ESE	.4	.6	1.3	1.1	.3	.0						3.8	9.6
SE	.4	.6	1.2	1.7	.4	.0						4.6	10.6
SSE	.3	.9	1.3	1.1	.4	.0						3.8	9.7
S	.6	1.6	2.9	2.4	.6	.2						8.3	9.8
SSW	.4	.5	1.6	1.9	1.0	.3	.0					5.7	12.2
SW	.3	.5	.9	1.4	.7	.1						3.9	11.7
WSW	.4	.7	1.0	1.7	.2	.0						3.5	9.3
W	1.1	1.6	2.7	3.6	.4	.4	.0					9.8	9.9
WNW	1.5	2.1	1.9	1.7	.4	.1	.0					7.7	8.1
NW	.9	1.3	1.4	1.7	.1	.0						5.0	7.8
NNW	1.7	1.7	1.8	1.8	.7	.7						6.5	8.2
VARIABLE													
CALM	////////////////////											2.6	////
TOTALS	9.7	17.4	27.6	32.7	7.6	2.0	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 7131

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMIE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.3	1.9	.7								6.2	6.3
NNE	.6	.5	2.8	2.4								6.4	9.2
NE	.4	.8	1.6	2.2								5.0	9.4
ENE	.5	1.1	1.6	2.4	.8							6.4	10.3
E	1.1	1.7	3.1	2.4								8.3	8.0
ESE	.3	1.5	1.5	.6	.1							4.1	7.9
SE	.5	1.7	1.1	.7	.1	.1						3.9	6.9
SSE	.8	1.2	1.6	.6	.2	.1						4.5	7.8
S	1.4	2.3	4.7	1.1	.2							9.6	7.3
SSW	.5	.9	1.8	2.7	.6							6.6	10.5
SW	.2	.2	1.7	3.0	.2	.1						5.5	11.4
WSW	.3	.8	.8	.6								2.5	7.7
W	1.9	1.4	1.9	1.4								7.0	7.2
WNW	2.4	3.4	1.6	.5								7.9	5.3
NW	3.4	1.0	.5	.4								6.6	4.5
NNW	1.0	1.5	1.1	.1								3.7	5.6
VARIABLE													
CALM	////////////////////											5.7	////
TOTALS	16.5	23.2	29.5	22.5	2.3	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOUCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.2	2.6	2.9	1.1				7.8	6.8
NNE	.4	1.3	2.2	2.0	.1			6.0	9.0
NE	.5	.5	1.2	1.2				3.4	8.6
ENE	.8	.8	1.9	1.8	.4			5.7	9.3
E	3.0	2.2	4.0	3.3	.1			10.6	8.6
ESE	1.2	.8	1.4	.9				4.1	6.9
SE	.9	.9	1.6	.3				3.7	6.6
SSE	1.1	.8	1.1	.5	.4	.3		4.2	8.9
S	.6	1.7	4.2	1.7	.2			8.5	8.3
SSW	.1	.6	2.8	2.0	.5	.1		6.2	10.5
SW	.6		1.4	2.0	.4	.1		4.6	10.8
WSW	.8	.4	1.6	.5				3.4	7.3
W	1.1	1.4	1.1	1.5				5.1	7.3
WNW	1.8	3.9	1.4	1.1				8.2	5.9
NW	3.2	2.6	1.1	.7				7.7	5.1
NNW	2.4	1.3	1.0	.1				4.7	4.6
VARIABLE									
CALM	////////////////////							6.0	////
TOTALS	17.7	21.7	30.8	21.0	2.3	.5		100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOUCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.6	1.9	3.6	2.9	.1							9.2	8.5
NNE	.3	1.6	1.5	2.7								6.1	9.1
NE	.2	.6	.8	1.6	.6							3.9	11.0
ENE	.4	1.5	1.8	2.6	.8							7.1	10.3
E	1.2	1.9	3.3	3.9	.2							10.6	8.9
ESE	.4	.2	.8	.5	.1							2.0	8.2
SE	.5	1.2	1.6	1.1	.2							4.6	8.6
SSE	.5	1.3	1.0	.9	.2	.1						3.9	8.7
S	1.3	2.7	2.4	2.9	.9							10.1	9.0
SSW	.3	1.7	2.9	2.9	1.0	.5						8.6	11.2
SW	.1	.6	1.9	1.4	.8							4.9	11.1
WSW			1.6	1.4								3.0	10.5
W	.6	1.4	.9	1.7								4.6	8.0
WNW	2.5	2.6	1.4	1.4								7.9	6.2
NW	2.2	1.7	.9	1.2								5.9	6.1
NNW	1.4	1.2	1.7	1.0								5.3	6.8
VARIABLE													
CALM	////////////////////////////////////											2.2	////
TOTALS	12.7	21.6	28.0	30.0	4.9	.6						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 927



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	2.4	3.2	2.7	.1						9.1	8.7
NNE		.4	1.2	3.4							5.6	11.0
NE	.2	.4	1.7	4.3	1.2						7.9	12.4
ENE	.4	1.0	1.7	3.0	.4						6.6	10.4
E	.9	1.1	2.5	2.3	.8						7.5	9.6
ESE	.1	.3	.8	1.4	.5	.1					3.7	12.1
SE		.4	.8	1.6	.6						3.8	11.5
SSE	.5	.4	2.1	.8	.2						4.3	8.7
S	.5	1.4	3.2	3.4	1.7	.1					11.3	10.8
SSW	.4	.6	1.2	4.3	1.5	.9					9.0	13.8
SW	.1	.4	.8	2.1	.8	.1	.1				4.3	13.2
WSW		.2	.9	2.4	.1						4.2	11.2
W	.4	.9	1.5	2.3	.2						5.3	9.9
WNW	.6	1.0	1.0	2.2	.3						5.1	9.9
NW	.9	1.0	1.5	.9	.2						4.4	8.3
NNW	.5	1.5	2.5	2.8	.1						7.5	9.3
VARIABLE												
CALM	////////////////////										.4	////
TOTALS	6.4	15.5	26.5	41.0	8.9	1.2	.1				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	1.7	3.5	2.8								8.2	9.4
NNE	.3	.9	1.1	3.3	.7							6.2	11.2
NE	.1	.8	.4	2.4	.9							4.6	12.4
ENE	.3	.4	2.0	3.4	2.0	.2						8.3	12.8
E	.2	1.1	1.6	1.9	.4							5.2	10.0
ESE	.1	.1	.3	1.0	.7	.5						2.7	15.0
SE	.1	.3	.8	2.8	.2	.3						4.6	12.9
SSE	.1	.4	1.0	2.5	.8							4.8	12.1
S		1.5	2.7	4.5	1.5	.4						10.7	12.0
SSW	.2	.5	1.3	4.7	3.1	.7						10.5	14.6
SW	.1	.2	.4	2.8	1.4	.7	.3					6.0	16.1
WSW	.1	.8	1.1	2.4	.4	.1						4.9	11.0
W	.3	1.5	1.2	3.1	.2							6.3	10.0
WNW	.2	1.2	.8	2.9	.7	.1						5.9	11.1
NW	.1	1.1	1.0	1.4	.1	.2						3.9	10.0
NNW	.2	1.5	2.5	2.5	.2							7.0	9.5
VARIABLE													
CALM	////////////////////											.1	////
TOTALS	2.7	14.2	21.7	44.4	13.2	3.3	.3					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.9	3.5	2.5	.1						8.3	8.7
NNE	.4	1.2	1.9	3.1	.5						7.3	10.5
NE	.1	.9	.8	2.6	1.3						5.6	12.4
ENE	.1	.3	.8	2.2	1.9	.2					5.5	14.2
E	.3	.8	1.6	1.6	.6						5.0	10.0
ESE		.8	.8	1.0	.8	.2					3.5	12.4
SE		.2	.8	3.2	.6	.2					5.1	13.3
SSE		.1	.5	1.4	.2						2.3	12.1
S	.5	1.3	2.7	4.3	1.4	.3					10.6	11.7
SSW	.3	.3	2.3	6.2	2.8	.5	.2				12.7	14.0
SW	.2	.4	.6	2.2	2.2	1.2					6.8	15.5
WSW		.6	1.1	2.1	.4						4.2	11.2
W	.5	2.3	1.6	2.4	1.1	.1					8.0	10.3
WNW	.5	1.0	1.6	2.1	.3						5.5	9.4
NW	.3	.5	.9	.6	.5						2.9	10.2
NNW	.2	1.4	1.9	2.6	.1						6.3	9.7
VARIABLE												
CALM	////////////////////											.4
TOTALS	4.0	14.1	23.4	40.0	15.0	2.8	.2				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.2	2.0	1.1							5.0	7.8
NNE	.1	1.5	2.6	2.7							7.2	9.7
NE	.8	1.3	2.0	3.0	.4						7.5	9.6
ENE	.3	.4	.5	2.4	.5						4.2	11.6
E	.1	.9	.9	1.5	.3						3.7	10.4
ESE	.2	1.0	1.0	1.1	.3						3.6	9.6
SE	.3	.7	1.5	1.4	.3						4.2	9.8
SSE	.4	1.1	2.8	1.0	.3						5.6	8.7
S	.7	2.2	4.8	3.9	.3	.1					11.9	9.4
SSW	1.0	1.1	3.9	5.5	1.3	.3					13.1	11.5
SW	.3	.3	1.6	2.6	1.1	.1					6.1	12.3
WSW	.3	.8	1.2	.9	.1						3.3	8.5
W	.5	2.3	2.8	3.0	.5						9.2	9.4
WNW	1.0	1.8	2.4	1.5	.1						6.8	7.7
NW	.5	.4	.5	.5	.1						2.2	8.0
NNW	.4	1.8	1.5	1.7	.2						5.3	8.2
VARIABLE												
CALM	////////////////////										1.1	////
TOTALS	7.8	18.9	32.0	33.7	6.1	.5					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	1.4	1.8	.6	.1							4.5	7.5
NNE	.4	2.4	2.2	3.0	.2							8.2	9.1
NE	.9	.8	2.2	3.0	.1							6.9	9.3
ENE	.8	.5	2.3	1.6	.2							5.4	9.1
E	1.4	.8	1.6	2.1	.1							5.9	7.9
ESE	.3	1.4	1.9	.2	.2	.1						4.2	8.2
SE	.4	.9	1.3	.1	.2							2.9	7.3
SSE	1.2	1.9	1.6	1.2	.1							6.0	7.3
S	1.3	1.6	6.0	1.7	.2							10.9	8.0
SSW	.8	1.7	4.8	3.8	.2	.1						11.3	9.4
SW	.3	.8	1.2	1.4	.6	.1						4.4	10.5
WSW	.5	1.3	1.1	.6	.1							3.7	7.6
W	1.0	2.7	2.4	1.7								7.8	7.3
WNW	1.3	3.9	1.6	.5	.1							7.5	5.8
NW	1.3	1.6	.4	.1								3.5	4.7
NNW	.6	1.5	1.0	.0								3.9	7.0
VARIABLE													
CALM	////////////////////											2.9	////
TOTALS	13.1	25.2	33.4	22.6	2.6	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.9	2.8	1.8	.1						7.3	8.1
NNE	.3	1.3	1.9	2.9	.2						6.6	9.8
NE	.4	.9	1.3	2.5	.6						5.6	10.7
ENE	.5	.8	1.6	2.4	.9	.1					6.2	11.0
E	.8	1.7	2.3	2.4	.3						7.1	9.0
ESE	.3	.4	1.1	.7	.3	.1					3.5	9.8
SE	.4	.6	1.2	1.4	.3	.1					4.1	9.9
SSE	.6	.7	1.5	1.1	.3	.1					4.5	9.0
S	.8	1.9	3.8	3.0	.8	.1					10.5	9.6
SSW	.5	.9	2.6	4.0	1.4	.4	.0				9.8	12.1
SW	.3	.4	1.2	2.2	.9	.3	.1				5.3	12.8
WSW	.3	.7	1.2	1.4	.1	.0					3.7	9.6
W	.9	1.7	1.7	2.2	.3	.0					6.7	8.7
WNW	1.3	2.3	1.5	1.5	.2	.0					6.8	7.4
NW	1.5	1.4	.9	.8	.1	.0					4.6	6.6
NNW	.9	1.5	1.7	1.4	.1						5.5	7.9
VARIABLE												
CALM	////////////////////										2.4	////
TOTALS	10.1	19.3	28.2	31.4	6.9	1.2	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 7391

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	3.2	1.1	.9								6.8	5.8
NNE	.2	1.7	.8	.6								3.3	7.3
NE	.3	.8	.9	1.7	.1							3.9	9.1
NNE	.6	.5	.7	1.5	.1							3.3	9.6
E	1.2	1.2	1.1	2.9	.6							7.0	9.6
ESE	.8	.7	.7	.3								2.5	5.7
SE	.2	.5	.6	.3								1.6	7.7
SSE	.5	.7	1.1	.1								2.4	6.7
S	1.5	3.6	3.4	.7								9.2	6.4
SSW	.9	1.2	3.2	1.4	.6							7.3	8.9
SW	.7	1.2	4.1	1.2	.1							7.4	7.9
WSW	1.0	1.6	2.8	.8								6.2	7.1
W	1.8	4.4	5.3	1.1								12.7	6.6
WNW	3.3	3.2	1.5	.5								8.4	4.8
NW	3.4	3.0	.9	.1								7.4	4.1
NNW	1.1	1.1	1.4	.5								4.1	6.1
VARIABLE													
CALM	////////////////////											6.5	////
TOTALS	19.2	28.6	29.7	14.5	1.5							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 880

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	4.0	.6	.6								6.7	5.3
NNE	.8	1.2	.7	.7								3.4	6.5
NE	.7	.8	1.1	.9								3.4	7.2
ENE	.5	.9	1.2	1.2	.8	.1						4.8	10.9
E	.6	1.2	3.2	1.5	.1							6.6	8.6
ESE	.5	.6	1.1	.7								2.4	6.5
SE	.5	.5	.5	.9								2.2	8.3
SSE	.3	.9	.8	.7								2.2	6.6
S	.9	3.3	3.1	1.4	.1							8.7	7.4
SSW	.3	1.4	3.4	1.4	.1							6.6	8.5
SW	.7	1.4	2.4	1.2								5.7	7.8
WSW	.3	1.3	3.6	.8	.1							6.7	7.7
W	2.7	4.1	4.1	2.0	.1							12.2	7.1
WNW	2.8	3.9	1.7	.7								8.7	5.1
NW	2.9	3.3	1.5									7.7	4.4
NNW	1.5	1.4	.9	.6								4.3	5.7
VARIABLE													
CALM	////////////////////											7.9	////
TOTALS	16.9	30.7	29.8	13.7	1.4	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 883



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: D37460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	3.1	2.8	1.7							8.6	7.2
NNE	.5	1.2	1.1	1.0							3.9	7.8
NE	.5	1.2	.9	.5							3.1	6.6
ENE	.2	.6	.9	2.2	1.1						5.0	12.3
E	1.7	1.6	3.1	1.6	.1						8.0	7.6
ESE	1.0	1.0	1.0	.2							3.3	5.8
SE	.5	.2	.9	.2							1.8	7.1
SSE	.2	1.0	1.1	.9							3.3	8.6
S	.8	1.5	3.6	1.6	.2						7.7	8.3
SSW	.8	.5	1.5	2.6	.7						6.0	10.4
SW	.1	.6	3.2	1.7	.2						6.0	9.8
WSW	.9	2.3	2.8	1.0							7.0	7.1
W	1.1	3.1	3.9	3.6	.1						11.8	8.3
WNW	2.5	2.8	1.9	2.7	.1						9.5	6.8
NW	2.2	2.2	1.2	1.7							6.6	5.8
NNW	1.1	2.2	1.8	1.5							6.6	7.2
VARIABLE												
CALM	////////////////////										1.9	////
TOTALS	15.1	24.5	31.8	23.7	2.6						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 983

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	2.1	3.1	2.4								8.3	8.5
NNE	.8	1.0	2.2	1.3								5.4	8.0
NE	.2	.4	1.7	1.1								3.5	8.7
ENE	.3	.8	1.3	2.0	.9							5.4	11.2
E	.7	.4	1.6	2.1	.4							5.3	10.0
ESE	.3	.9	1.0	.8	.1							3.1	8.1
SE	.2	1.3	1.7	.8	.1							4.2	8.0
SSE	.3	.6	1.2	.7	.4	.1						3.0	9.9
S	.2	1.2	3.0	2.0	.4							7.0	9.7
SSW	.1	.4	1.8	2.7	1.1	.2						6.4	12.6
SW	.1	.6	1.9	2.4	.3	.1						5.4	10.9
WSW	.1	1.2	3.6	1.7	.1	.1						6.9	9.2
W	1.2	2.5	5.2	7.2	.7							16.8	9.8
WNW	.9	1.8	2.7	2.6	.3							8.3	9.0
NW	.1	1.2	1.9	2.2	.1							5.6	9.3
NNW	.2	1.3	1.3	2.4								5.3	9.3
VARIABLY													
CALM	////////////////////											.1	////
TOTALS	6.6	18.0	35.4	34.1	5.2	.6						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 989

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	2.3	2.8	1.7							6.7	8.3
NNE	.2	1.6	2.6	1.2							5.7	8.4
NE	.2	.5	1.5	.8	.1						3.1	9.2
ENE		.6	1.4	1.7	.8	.1					4.5	11.8
E	.2	1.4	1.1	1.8	.7						5.2	10.3
ESE	.1	1.0	.6	1.5	.3						3.5	9.9
SE	.2	.3		1.6	.2						2.4	11.1
SSE		.5	.7	1.5	.2						2.8	10.7
S	.2	1.2	2.1	2.5	.7	.2					7.0	10.5
SSW	.1	.9	1.7	2.5	1.6	1.0					7.8	13.9
SW	.1	.8	1.7	2.7	1.4	.2	.2				7.4	12.7
WSW	.5	1.0	4.0	3.1							8.5	9.2
W	1.1	1.5	4.6	8.0	1.8						17.1	10.9
WNW	.5	1.1	2.1	2.1	.3						6.2	9.8
NW	.5	.7	1.8	1.7	.1						4.8	9.5
NNW	.7	1.6	3.2	1.4							7.2	8.4
VARIABLE												
CALM	////////////////////										.2	////
TOTALS	4.8	16.7	31.9	36.2	8.3	1.6	.2				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 884

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	2.5	4.8	.9								8.5	7.9
NNE	.5	1.1	1.7	1.0	.3							4.6	8.5
NE	.1	1.4	1.8	1.6								4.9	9.0
ENE	.2	.7	1.4	1.0	.5	.3						3.7	11.7
E		.1	.8	2.3	.6							3.7	12.8
ESE	.1	.1	.6	1.0	.3							2.1	11.6
SE	.7		1.1	1.4								2.7	10.2
SSE	.5	.5	.8	1.2								2.9	8.4
S	.7	.8	2.7	2.6	.8							7.6	10.2
SSW	.1	.7	2.3	4.3	1.8	.5						9.6	13.2
SW	.5	.1	1.9	4.8	.9	.2						8.4	12.5
WSW	.2	1.5	2.7	2.4	.3							7.1	9.5
W	.3	.9	3.8	8.3	2.1							15.5	12.1
WNW		1.6	2.7	5.5	.6							10.4	11.1
NW	.1	.7	2.1	.9	.1							4.0	8.8
NNW	.5	.9	1.8	.9								4.0	7.7
VARIABLE													
CALM	////////////////////////////////////											.2	////
TOTALS	4.3	13.1	33.0	39.2	8.4	1.0						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 984

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	3.2	2.3	1.0							7.2	6.9
NNE	.3	1.9	1.5	.7	.2						4.6	7.7
NE	.5	1.1	2.1	1.6							5.2	8.2
ENE	.1	.7	.7	1.0	.5	.1					3.1	11.3
E	.8	.7	.8	2.2	.5						4.9	10.2
ESE	.2	.1	1.0	.5							1.8	9.4
SE	.2	.6	1.1	.6							2.5	8.3
SSE	.2	.8	1.3	.3							2.6	7.7
S	.7	1.0	4.7	2.1	.3						8.8	8.7
SSW	.2	.9	3.8	4.1	.5						9.4	10.3
SW	.1	.3	2.7	3.6	.2	.3					7.4	11.4
WSW	.3	1.7	3.0	1.1							6.2	8.0
W	.6	3.1	6.2	7.2	.7						17.7	10.0
WNW	.8	1.7	2.9	4.4	.1						9.9	9.3
NW	.1	1.3	1.6	1.8							4.8	9.1
NNW	.5	1.4	1.1	.6							3.5	7.1
VARIABLE												
CALM	////////////////////										.5	////
TOTALS	6.4	20.2	36.6	32.8	3.0	.5					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 977

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	2.3	1.8	.3							6.4	5.5
NNE	.9	1.7	1.4	.6							4.4	6.3
NE	.6	.9	2.7	.7							4.9	7.6
ENE		1.3	1.0	.9	.2						3.3	9.1
E	.3	.7	1.3	2.0	.9						5.2	11.7
ESE	.7	.6	.6								1.7	4.9
SE	.9	1.3	1.1	.2							3.5	6.0
SSE	.2	1.0	1.5	.1							2.8	6.6
S	1.0	2.6	6.4	.6	.1						10.7	7.2
SSW	.2	1.6	3.8	2.6	.5						8.4	9.5
SW	.1	.9	2.4	.6	.2						4.1	8.5
WSW	.3	3.0	3.1	.9							7.2	7.3
W	2.3	6.6	7.1	1.7							17.6	6.7
WNW	.9	4.7	2.6	.7							8.9	6.2
NW	.6	1.7	1.6	.5							4.3	6.7
NNW	.6	.7	1.4	.7							2.8	6.5
VARIABLE												
CALM	////////////////////										3.6	////
TOTALS	11.5	31.2	39.6	12.7	1.9						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.4	2.4	1.7							7.4	7.0
NNE	.5	1.4	1.5	.7	.1						4.4	7.7
NE	.4	.7	1.6	1.1	.0						4.0	8.2
ENE	.2	.7	1.1	1.4	.6	.1					4.1	11.1
E	.7	.9	1.6	2.0	.5						5.8	9.8
ESE	.5	.6	.8	.6	.1						2.6	7.8
SE	.4	.6	.9	.7	.0						2.6	8.3
SSE	.3	.7	1.1	.6	.1	.0					2.8	8.7
S	.8	1.0	3.6	1.7	.3	.0					8.3	8.4
SSW	.4	.7	2.7	2.7	.8	.2					7.7	11.0
SW	.3	.7	2.5	2.3	.4	.1	.0				6.5	10.4
WSW	.5	1.3	3.2	1.5	.1	.0					7.0	8.2
W	1.3	3.7	5.0	4.9	.7						15.2	9.1
WNW	1.5	2.4	2.3	2.3	.2						8.8	7.8
NW	1.2	1.7	1.6	1.0	.0						5.6	6.8
NNW	.8	1.7	1.6	1.0							4.7	7.4
VARIABLE												
CALM	////////////////////										2.6	////
TOTALS	10.6	22.9	33.5	25.7	4.0	.5	.0				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 7059

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.7	.8								4.8	4.8
NNE	.6	1.2	1.4	.3							3.5	6.7
NE	.4	.7	2.5	.3							4.0	7.5
ENE	.8	.9	1.0	1.3	.1						4.0	8.6
E	.4	.9	1.7	1.4							4.4	8.3
ESE	.6	.7	.7								1.9	5.5
SE	.6	.2	.4	.1							1.3	5.6
SSE	.2	.8	.3								1.3	5.5
S	.9	1.9	3.9	1.4							8.1	7.7
SSW	1.0	1.4	3.2	1.4	.1						7.2	8.0
SW	.6	1.5	2.7	1.7							6.5	7.9
WSW	.9	2.7	3.2	.3							7.5	6.6
W	2.2	6.7	4.4	.4							13.4	5.9
WNW	4.4	5.7	2.4	.2							12.7	4.8
NW	3.1	3.5	1.4	.1	.1						8.3	4.9
NNW	1.3	1.7	.8	.1							4.1	4.8
VARIABLE												
CALM	////////////////////////////////////										7.3	////
TOTALS	19.3	32.4	30.9	9.3	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 902



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.4	1.4								4.8	5.3
NNE	.3	1.5	1.3	.5							3.7	6.9
NE	1.1	.5	1.6	.7	.1						4.1	7.2
ENE	.7	.4	1.5	.9							3.5	7.9
E	.8	1.9	1.5	.8							4.9	7.0
ESE	.5	.7									1.2	3.7
SE	.1	.2	.1								.4	5.0
SSE	.7	1.1	.4	.2							2.4	5.6
S	1.3	2.8	2.7	1.2							8.1	6.8
SSW	.8	1.0	2.2	2.2							6.1	8.5
SW	.7	1.4	1.5	1.1							4.7	7.3
WSW	.8	2.5	4.7	.7							8.7	7.1
W	2.5	4.6	3.7	.5							11.4	5.8
WNW	4.9	6.9	1.9	.2							13.3	4.5
NW	3.7	4.1	1.4		.1						9.3	4.5
NNW	2.5	1.4	.8		.2						4.9	4.5
VARIABLE												
CALM	////////////////////										8.9	////
TOTALS	22.2	33.7	26.9	9.0	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	2.6	2.6	.4							7.6	5.9
NNE	.7	1.3	1.7	.9							4.4	7.1
NE	.3	.6	2.1	1.7		.1					4.8	9.2
ENE	.3	1.0	1.1	1.2	.3						4.0	9.1
E	1.0	1.4	2.6	1.4							6.4	7.6
ESE	.4	.7	.3								1.0	4.8
SE	.7	.7	.6	.1							1.6	5.2
SSE	.6	.9	.7	.2	.1						2.4	6.7
S	1.1	1.6	2.9	1.8	.1	.1					7.6	8.4
SSW	.7	1.3	2.2	2.7	.2						6.7	8.9
SW	.2	.7	2.0	1.1							4.0	8.4
WSW	.1	1.1	4.1	1.6							6.9	8.4
W	2.7	3.7	5.2	2.6							13.0	7.3
WNW	3.9	3.6	3.1	1.9							12.3	6.1
NW	3.9	2.9	1.3	.6							8.7	4.7
NNW	1.6	1.6	1.7	.7	.1						5.6	6.5
VARIABLE												
CALM	////////////////////										3.1	////
TOTALS	19.4	24.1	34.1	18.1	.9	.2					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	3.1	3.6	1.1							8.2	7.6
NNE	.2	1.2	1.1	1.5							4.1	8.7
NE	.4	.5	1.6	1.4							4.1	8.9
ENE	.5	.9	2.0	1.0	.7	.2					5.3	9.8
E	1.0	1.6	2.4	1.0	.1						6.2	7.4
ESE	.8	.7	1.2	.2	.1						3.0	6.8
SE	.8	.7	.4	.9							2.4	7.6
SSE	.2	.5	.8	.3							1.9	7.2
S	1.0	1.2	2.0	2.4	.4						7.0	9.5
SSW	.5	.2	1.4	3.1	.2						5.5	10.7
SW	.5	.7	1.8	2.7	.2						5.6	10.1
WSW	.8	1.5	3.4	2.4	.1						8.2	8.7
W	.9	3.3	6.9	6.7	.1						17.5	9.2
WNW	.4	2.1	3.8	3.5							9.9	9.0
NW	.2	1.9	2.0	1.4							5.5	8.4
NNW	.3	1.2	2.0	1.4	.1	.1					5.5	9.2
VARIABLE												
CALM	////////////////////										.2	////
TOTALS	9.1	20.7	36.5	31.1	2.1	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UN

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	1.9	2.1	1.1								6.0	7.2
NNE	.3	.9	1.8	1.4								4.4	8.9
NE	.3	.8	1.8	1.6	.2							4.7	9.6
ENE	.4	.3	1.2	1.9	.1							4.0	10.3
E	.3	.7	3.3	.8								5.1	8.7
ESE	.3	.1	.3	.6	.2							1.6	9.4
SE	.4	.3	.3	1.3	.2							2.7	10.3
SSE	.6	.7	1.0	.3	.1							2.2	7.5
S	.8	.7	2.4	2.4	.8							7.1	10.5
SSW	.6	.8	1.1	3.4	1.4	.1						7.1	12.4
SW	.4	.4	1.2	3.3	.7							6.1	11.2
WSW	.7	.7	2.2	2.7	.1							5.4	9.8
W	.7	2.7	6.0	10.6	.6							20.4	10.5
WNW	.9	1.9	3.6	3.7	.1							9.7	9.0
NW	.2	1.9	2.8	1.4								6.3	8.2
NNW	.3	1.6	2.4	2.1	.3							6.8	9.0
VARIABLE													
CALM	////////////////////											.3	////
TOTALS	7.8	15.4	33.7	37.9	4.9	.1						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.5	2.8	1.5	.1						6.2	8.5
NNE	.1	.7	1.9	1.1							4.0	9.0
NE	.3	.7	1.7	2.4							4.6	10.2
ENE	.2	.3	1.1	1.5	.2						3.4	10.2
E	.7	.7	2.1	1.3							4.7	8.2
ESE	.1	.1	.6	.8							1.5	9.4
SE	.2	.1	.9	.7							1.9	8.7
SSE		.7	1.5	1.1							3.3	9.3
S	.7	.3	2.3	3.7	.4						7.5	10.4
SSW	.3	.7	1.3	4.4	3.4						9.8	14.1
SW	.4	.4	.4	1.9	.9						4.1	11.4
WSW	.1	1.2	2.2	2.0	.1						5.6	9.2
W	.9	2.0	6.3	12.1	1.5						22.8	11.1
WNW	.3	2.1	3.6	4.1	.1						10.2	9.3
NW	.2	.8	1.9	1.9							4.7	9.3
NNW	.6	1.4	2.2	1.0	.2						5.4	8.0
VARIABLE												
CALM	////////////////////////////////////										.3	////
TOTALS	5.4	12.9	32.7	41.7	7.0						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 909

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	2.1	1.4	1.7							5.9	7.7
NNF	.2	1.0	2.2	.9							4.2	7.9
NE	.3	1.3	2.5	1.2							5.4	8.0
ENE	.3	.3	1.1	.7	.1						2.5	8.7
E	.3	.9	1.8	1.0							4.0	7.9
ESE	.4	.3	.3	.2							1.3	5.6
SE	.1	.8	.6	.2							1.7	6.8
SSE		1.4	.9	.4							2.8	7.1
S	.2	1.5	5.6	2.3	.2						10.0	8.9
SSW	.1	.8	3.0	4.4	1.0						9.3	11.5
SW	.3	.6	1.8	2.2	.8						5.6	10.8
WSW	.3	1.3	1.8	1.3							4.8	7.8
W	1.0	4.3	8.7	7.6	.6						22.2	9.3
WNW	.8	2.7	4.5	3.2	.1						11.3	8.4
NW	.1	1.4	1.9	.4							4.5	7.8
NNW	.2	1.7	1.1	.6							3.5	7.2
VARIABLE												
CALM	////////////////////										1.0	////
TOTALS	5.5	22.8	39.3	29.7	2.8						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 904

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UN

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60	
N	1.0	2.9	1.4	.6							5.9	6.2
NNE	.3	1.5	1.2	.7							3.3	6.4
NE	.1	1.0	3.2	1.5							5.9	8.7
ENE	.3	1.4	.9	.6	.2						3.4	8.3
E	.8	1.8	2.1	.9							5.4	7.1
ESE	.3	.6	.7	.1							1.7	6.2
SE	.6	.4	.3								1.3	4.7
SSE	.7	.7	.7								2.0	5.1
S	.8	2.9	3.1	1.7							8.4	7.3
SSW	.8	1.9	3.1	2.7							8.4	8.6
SW	.1	1.2	3.3	1.2	.2						6.1	8.9
WSW	1.2	1.9	2.7	.3							6.1	6.5
W	2.3	8.3	6.2	1.8							18.6	6.5
WNW	1.4	7.5	3.0	.2							12.2	5.7
NW	.7	3.6	1.1	.1							5.5	5.5
NNW	.6	1.2	.6	.2							2.5	5.7
VARIABLE												
CALM	////////////////////										3.4	////
TOTALS	11.9	38.2	33.5	11.9	.4						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 905

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037467 STATION NAME: ROSCOMBE DOWN UN

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	2.4	2.0	.9	.0							6.2	6.7
NNE	.3	1.2	1.6	.9								4.7	7.8
NE	.4	.7	2.1	1.4	.0	.0						4.7	8.7
ENE	.5	.7	1.2	1.1	.2	.0						3.8	9.2
E	.7	1.2	2.2	1.1	.0							5.1	7.7
ESE	.4	.4	.5	.7	.0							1.6	6.6
SE	.4	.3	.5	.4	.0							1.7	7.4
SSE	.4	.4	.8	.7	.0							2.3	7.0
S	.9	1.1	3.1	2.1	.7	.0						8.0	8.6
SSW	.6	.9	2.2	3.0	.8	.7						7.5	10.5
SW	.4	.4	1.8	1.9	.3							5.3	9.5
WSW	.6	1.4	3.0	1.4	.0							6.7	7.9
W	1.6	4.3	5.9	5.2	.3							17.4	8.6
WNW	2.1	4.0	3.2	2.1	.0							11.4	6.9
NW	1.5	2.4	1.7	.4	.0							6.6	6.2
NNW	.9	1.5	1.4	.4	.1	.0						4.8	7.1
VARIABLE													
CALM	////////////////////											3.0	////
TOTALS	12.6	25.1	33.4	23.4	2.4	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 7243



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	2.4	2.0	.7								6.5	5.6
NNE	.8	1.6	.6	.7								3.1	5.4
NE	.4	.9	.7	.7								2.4	6.7
ENE	.2	1.0	1.5	.9								4.7	7.1
E	1.1	1.7	1.6	.7								4.9	6.3
ESE	1.0	.6	.9	.1	.1							2.7	5.6
SE	.6	.6	.7	.7								2.1	6.6
SSE	.7	.9	1.0	.1								2.7	5.8
S	1.6	2.2	4.6	1.3	.3	.2						10.8	8.0
SSW	.6	1.3	2.0	2.6	.6	.3						7.4	10.3
SW	.6	.8	3.6	2.0	.9							7.9	9.8
WSW	.8	2.5	3.4	.4								7.4	6.9
W	1.7	3.2	3.0	.2								8.8	6.3
WNW	3.5	4.4	1.3	.7								9.9	4.7
NW	2.6	1.0	.8	.4								4.8	4.6
NNW	.4	1.9	1.8									4.2	6.2
VARIABLE													
CALM	////////////////////											10.2	////
TOTALS	19.1	27.1	29.4	11.7	1.9	.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037467 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.5	1.5	.1							5.5	5.3
NNE	.5	1.3	1.2	.1							3.3	6.4
NE	.5	.1	1.0	.1							2.4	7.2
ENE	.9	.1	1.6	.9							3.7	7.5
E	1.3	2.3	1.6	.9							6.1	6.4
ESE	.9	1.5	1.0								2.7	5.3
SE	1.7	.9	.9	.1	.1						3.4	5.6
SSE	.9	1.2	.8								2.8	5.0
S	1.3	2.0	5.0	1.5	.8						10.6	9.4
SSW	.7	1.1	3.6	2.5	.5	.1					9.0	9.4
SW	.9	.5	2.1	2.0	.4	.1					5.9	9.6
WSW	.3	2.4	2.7	.4	.1						6.5	6.8
W	1.8	4.5	1.4	.1	.2						8.8	6.2
WNW	3.1	3.7	.7	.4							7.3	4.3
NW	3.7	2.7	.7	.1							7.1	4.3
NNW	2.1	1.1	1.4	.4							5.6	5.4
VARIABLE												
CALM	////////////////////										9.3	////
TOTALS	21.7	28.0	27.2	11.4	2.2	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 914

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BUTCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LEST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	2.4	2.7	.7								6.8	5.9
NNE	.7	1.7	1.6	.5								3.8	6.9
NE	.4	.7	1.0	.9	.1							2.7	7.7
ENE	1.1	.4	2.0	1.6								5.2	8.4
E	1.3	1.8	1.7	.9								5.3	6.4
ESE	1.2	.6	.3	.7								2.3	4.7
SE	.6	1.1	.8	.9	.1							3.3	7.5
SSE	.3	.4	1.2	.5								2.6	7.6
S	2.1	2.1	3.3	2.1	.2							9.9	7.5
SSW	.4	.9	3.9	3.5	.4	.1						9.3	10.2
SW	.7	.4	2.7	1.7	1.1	.2						6.5	10.7
WSW	.9	1.4	2.9	1.1	.1							6.6	7.6
W	2.7	4.1	3.2	.7								10.7	5.8
WNW	4.2	2.7	1.1	1.1	.2							9.2	5.3
NW	2.9	2.1	1.4	.7								7.2	5.4
NNW	.2	2.0	.8	.7								4.2	6.2
VARIABLE													
CALM	////////////////////											4.3	////
TOTALS	21.4	24.5	30.3	16.5	2.3	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH  
USAF LTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	1.6	4.1	1.1								7.5	7.6
NNE	.7	.9	2.2	.9								4.6	7.9
NE	.2	.7	1.6	.5								3.1	8.1
NNE	1.0	.9	1.1	2.1	.1							5.2	8.8
E	1.0	2.1	1.4	.7	.3							5.7	7.6
ESE	.2	1.2	.9	.7	.1							3.1	8.0
SE	.7	.7	.5	.4	.5	.1						2.6	10.5
SSE	.2	.5	.5	1.1			.1					2.5	10.2
S	.7	1.2	2.4	2.9	.9	.1						8.1	10.5
SSW	.7	.4	2.0	3.9	1.9	.4						8.4	12.5
SW	.4	.4	1.4	2.6	.7	.1	.2					5.9	12.0
WSW	.4	2.0	3.1	3.4	.3							9.2	9.5
W	.9	2.0	3.6	3.2	.2	.1						10.0	9.1
WSW	1.0	2.7	3.1	4.5	.2							11.1	9.2
W	.2	1.2	2.0	1.1	.2	.1						6.2	8.0
WNW	1.1	1.4	2.0	1.6								6.2	7.7
VARIABLE													
CALM	////////////////////////////////////											.7	////
TOTALS	10.1	20.2	32.0	30.0	5.5	1.0	.3					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	2.1	3.8	1.0							7.9	7.5
NNE	.3	.5	.9	.8							2.9	8.0
NE	.1	.4	.7	1.3							2.5	9.6
ENE	.3	.8	1.1	.9	.2						3.3	8.8
E	1.0	.9	1.4	1.4	.3						5.0	9.0
ESE	.4	.9	.9	1.1	.1						3.4	8.6
SE		.3	.9	.5	.2						2.0	10.4
SSE	.2	.9	1.1	1.0	.1						3.3	8.6
S	.2	1.0	2.4	4.5	1.3	.1					9.5	12.2
SSW	.2	.5	.8	3.5	2.9	1.3					9.2	15.5
SW	.5	.7	1.3	3.4	1.1	.3					7.4	12.3
WSW	.7	1.5	2.0	3.6	.3						8.1	9.8
W	.2	1.1	5.7	6.7	.4						14.9	10.3
WSW	.1	1.1	2.6	2.9	.7	.1					8.0	10.3
W	.1	1.2	2.7	1.7		.2					6.4	9.2
W	.1	1.1	2.5	1.7							5.6	7.8

////////////////////// 1.3 //////////////////////////////////////  
 10.7 10.8 35.4 7.7 2.1 100.0 10.3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: G37460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.8	2.1	.5							4.9	7.1
NNE		1.7	1.6	.7							3.9	7.4
NE	.1	1.6	1.1	1.0							3.8	8.1
ENE	.2	.4	1.1	.4	.1						2.3	9.2
E	.4	.5	.8	1.8	.2						3.8	10.1
ESE	.3	.4	.3	.8							1.9	8.5
SE		.4	.9	1.1	.2						2.7	10.5
SSE	.3	.7	1.1	1.3	.4	.1					4.0	10.3
S	.6	1.2	3.0	3.8	.8	.1					9.6	10.8
SSW		.2	1.6	4.7	2.6	1.0					10.1	15.0
SW	.3	.6	1.9	3.8	1.6	.9					9.9	13.2
WSW	.1	1.1	1.7	3.1							6.0	9.7
W	.1	1.2	4.1	8.6	1.1						15.8	11.3
WNW	.4	1.1	2.6	3.3	1.0						8.5	10.8
NW	.4	2.1	2.9	1.2	.4	.1					7.2	8.7
NNW	.3	2.4	2.4	1.0	.1						6.3	7.8
VARIABLE												
CALM	////////////////////										.3	////
TOTALS	4.2	15.6	29.1	37.2	8.6	2.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(EST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	4.1	1.9	.8							7.4	6.5
NNE	.4	.7	.7	.3							2.1	6.9
NE	.1	.7	1.2	1.0							3.0	8.6
ENE	.2	1.2	1.1	.1							2.7	6.7
E	1.0	1.2	1.2	.6							4.0	6.5
ESE	.6	.4	.9	.3							2.2	6.8
SE	.7	.4	.6	.6	.1						2.3	7.3
SSE	.1	.8	1.1	.7	.1	.4					3.2	10.6
S	.9	3.2	5.7	2.7	.4	.1					12.4	8.3
SSW	.1	1.2	3.1	4.5	1.5	.4					10.8	11.8
SW	.1	1.0	2.2	3.1	.9	.2					7.6	11.8
WSW		3.2	3.9	1.1							8.3	7.7
W	.2	2.1	5.7	5.3	.1						13.7	9.5
WNW	.8	3.1	3.0	2.6	.1						9.6	8.1
NW	.2	2.1	1.8	.9	.2	.1					5.4	9.3
NNW	.8	1.2	.7	.3							3.0	5.9
VARIABLE												
CALM	////////////////////										2.1	////
TOTALS	6.8	27.3	34.9	24.1	3.5	1.3					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	3.1	1.2	.1							5.3	5.5
NNE	.4	.7	1.2	.1							2.4	6.5
NE	.7	.9	.7	1.1							2.8	8.7
ENE	.4	.9	.9	.3							2.6	6.9
E	1.1	1.8	1.4	.8							5.1	6.5
ESE	.4	.6	.2	.3							1.6	6.3
SE	.3	.4	.7	.4							1.9	7.4
SSE	.7	1.0	1.4		.1						3.2	6.5
S	1.2	4.3	4.7	1.4	.6	.1					12.3	7.6
SSW	.7	1.9	2.3	2.7	.4	.2					8.4	9.6
SW	.7	1.4	4.3	1.4	.2	.4					8.9	9.1
WSW	1.0	3.0	4.1	.7							9.0	6.9
W	2.3	4.0	3.9	1.7							11.9	6.5
WNW	3.4	4.4	2.1	.6							10.5	5.1
NW	1.9	1.7	1.1	.4	.2						5.3	5.9
NNW	.7	1.8	.7								3.3	4.9
VARIABLE												
CALM	////////////////////////////////////										5.4	////
TOTALS	16.6	31.7	31.0	12.7	1.6	.8					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 901



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.6	2.4	.5							6.5	6.4
NNE	.5	1.1	1.2	.5							3.3	7.0
NE	.3	.8	1.0	.9	.0						2.8	8.1
ENE	.6	.9	1.3	.7	.1						3.7	7.9
E	1.0	1.5	1.4	1.0	.1						5.0	7.3
ESE	.6	.7	.7	.4	.0						2.5	6.8
SE	.5	.6	.7	.5	.2	.0					2.5	8.1
SSE	.4	.9	1.0	.6	.1	.1	.0				3.0	8.2
S	1.1	2.2	3.9	2.5	.7	.1					10.4	9.0
SSW	.4	1.0	2.4	3.4	1.3	.5					9.1	11.9
SW	.5	.7	2.4	2.5	.9	.3	.0				7.4	11.1
WSW	.6	2.2	3.0	1.8	.1						7.6	8.1
W	1.2	3.0	3.8	3.5	.3	.0					11.8	8.5
WNW	2.1	2.9	2.1	2.0	.3	.0					9.3	7.2
NW	1.6	1.2	1.7	.7	.1	.1					6.2	6.8
NNW	.9	1.0	1.5	.7	.0						4.8	6.7
VARIABLE												
CALM	////////////////////										4.1	////
TOTALS	13.3	24.3	30.6	22.5	4.2	1.1	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 7219

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0000-0200

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOUCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.5	1.8	1.1	.2								4.6	5.5
NNE	.6	.2	.9	.1								1.8	6.1
NE	.6	.4	.2									1.2	4.5
ENE	.9	.7	1.1	.3								3.5	7.1
E	.8	1.2	3.5	.9								6.4	7.7
ESE	.8	1.1	.7	.9								3.0	6.1
SE	.6	.8	1.3	.7								3.4	7.5
SSE	.7	1.0	1.8	.2	.1							5.1	7.6
S	1.2	2.6	5.3	1.6	.4							11.1	8.2
SSW	.9	1.3	3.1	2.6	.6	.3						8.9	9.8
SW	.9	.9	3.5	2.5	.6							8.3	9.2
WSW	1.1	2.8	4.0	3.4	.1	.1						11.5	8.7
W	2.1	2.4	1.5	2.4	.2	.1						8.7	7.6
WNW	2.8	2.1	.8	1.0								6.7	5.4
NW	3.0	.9	.9	.4								5.3	4.5
NNW	1.6	.7	.3									2.6	3.6
VARIABLE													
CALM	////////////////////											8.0	////
TOTALS	20.0	21.6	30.1	17.2	2.0	.6						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.2	1.5	.5							3.7	6.9
NNE	.3	.6	1.6	.2							2.7	7.3
NE	1.5	.5	.3	.1							2.4	4.1
ENE	1.0	.3	1.6	1.2							4.2	7.8
E	1.7	.8	2.4	1.1							6.0	6.8
ESE	.8	.6	1.2	.5							3.1	6.4
SE	.6	1.2	1.2	1.0							4.1	7.5
SSE	.8	1.1	1.6	.9	.3	.2					5.0	8.8
S	1.1	2.0	4.2	1.2	.7	.2					9.5	8.6
SSW	.8	1.9	2.0	3.2	.8	.1					8.8	10.2
SW	1.0	2.1	2.8	2.6	.3						8.9	8.6
WSW	.8	2.7	3.2	3.1	.1						9.8	8.4
W	2.0	1.5	2.1	3.6	.9	.1					10.3	9.6
WNW	2.9	1.8	.1	1.4	.1						6.2	5.8
NW	3.7	.5	.9	.2							5.7	3.8
NNW	1.0	1.1	.7	.1							2.9	5.2
VARIABLE												
CALM	////////////////////										6.7	////
TOTALS	20.6	20.4	27.5	20.9	3.3	.7					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 984

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.7	.8	.9							3.4	7.8
NNE	.2	.7	.7	1.7							2.6	8.6
NE	.4	.4	1.1	.7							2.9	8.2
ENE	.1	.6	1.5	.9	.9						3.4	9.9
E	1.0	1.2	2.0	1.6							5.8	8.0
ESE	.6	.8	1.1	.8							3.3	7.9
SE	.7	.8	.9	.6							2.9	7.1
SSE	.9	1.3	1.8	1.5	.9	.1					6.1	8.7
S	.7	1.2	3.1	3.5	1.1	.6					10.2	11.4
SSW	.6	.8	3.0	5.2	1.1	.2					10.4	11.6
SW	.4	.2	1.8	2.6	1.0	.1					6.2	11.5
WSW	.2	1.0	2.8	5.8	.2						10.1	10.6
W	1.0	1.1	3.5	6.7	1.7	.9					14.5	11.7
WNW	1.1	1.5	1.6	2.5	1.2	.2					8.2	10.3
NW	.7	.9	.7	.7	.3						3.3	8.5
NNW	1.0	1.1	1.7	1.3		.1					5.3	7.8
VARIABLE												
CALM	////////////////////										1.5	////
TOTALS	9.8	14.9	28.1	36.3	7.6	1.8					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.0	1.1	.6	.2							4.6	7.6
NNE	.1	.5	.7	1.0								2.3	9.0
NE	.1	.6	.7	1.7								2.6	9.8
ENE	.2	.5	1.4	.5	.2							2.7	9.2
E	.6	.6	.8	.6	.1							2.6	8.0
ESE	.1	.6	1.2	1.1								3.0	9.2
SE	.3	.8	.7	1.1								2.9	8.3
SSE	.7	.7	1.6	1.5	.5	.1						5.2	9.4
S	.6	1.1	2.8	6.2	.5	.1						11.3	10.9
SSW	.3	.5	1.6	5.5	1.9	.9	.3					11.2	14.2
SW	.6	.7	.8	5.0	1.1	.3	.1					8.6	12.9
WSW		1.5	2.1	5.2	.3							9.1	10.6
W	.3	.9	3.0	7.1	4.1	1.0						16.5	13.8
WNW	.2	1.0	1.5	2.8	1.6	.2						7.3	12.4
NW	.3	2.0	1.7	2.1	.3							6.5	9.1
NNW	.2	1.0	1.4	.7	.1							3.4	8.2
VARIABLE													
CALM	////////////////////											.2	////
TOTALS	5.3	15.0	23.0	42.4	10.9	2.7	.5					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 887

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.3	2.0	.9	.1						4.7	8.3
NNE	.1	.4	.9	1.0							2.5	8.8
NE		.0	.7	.9							2.4	9.0
NNE	.2	.3	1.1	.4							2.1	8.5
E	.6	.3	.6	.1	.2						1.8	7.2
ESE	.6	.6	.6	.9							2.6	8.0
SE	.6	.3	1.5	1.3	.1						3.8	9.1
SE	.1	.9	2.1	1.3	.1	.2					4.8	10.1
S	.8	.6	4.3	4.9	.4	.2	.1				11.4	10.5
SSW	.1	.7	2.0	5.7	3.0	.4	.2				12.2	14.1
SW	.1	.3	1.1	3.7	1.3	.2		.1			7.0	13.6
WSW	.1	1.7	2.2	2.6	.2						6.8	9.4
W	.8	2.4	4.4	8.0	3.3	.3					19.1	11.7
WNW	.2	1.6	2.6	3.6	1.6	.1					9.7	11.1
NW		.8	2.0	1.6	.4						4.8	10.4
NNW	.3	1.5	1.1	.3	.1						3.4	7.4
VARIABLE												
CALM	////////////////////////////////////										.9	////
TOTALS	4.9	14.7	29.2	37.3	11.0	1.6	.3	.1			100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.3	1.3	.7							4.9	5.8
NNE	.3	.7	1.3								2.6	6.5
NE	.3	.7	1.2	.4							2.9	7.3
ENE	.2	.7	1.0	.1							1.7	7.1
E	.4	.4	.7	.7							2.4	7.2
ESE	.9	.9	1.3	.7							3.7	7.0
SE	.7	.8	1.2	.6							3.7	6.8
SESE	.6	1.5	1.3	.7			.1				4.4	8.1
S	.4	3.4	5.8	2.6	.7	.1					13.0	8.9
SSW	.3	1.1	4.2	3.9	1.3		.2				11.1	11.4
SW	.8	.7	2.8	3.4	.6	.1	.1				8.0	11.1
WSW	.4	1.4	3.1	1.7	.1						6.5	7.9
W	.6	4.9	6.3	6.4	.7						18.0	9.3
WNW	1.1	2.7	2.5	1.5	.1						8.1	7.2
NW	.4	2.2	.7	1.1							4.5	7.1
NNW	.3	.9	.7	.5							2.4	7.3
VARIABLE												
CALM	////////////////////										2.5	////
TOTALS	8.4	25.7	35.7	24.1	3.5	.7	.4				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 889



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BO'COM'E DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.0	.9	.1							3.4	5.1
NNE	.6	.5	1.7								2.7	6.7
NE	.6	.9	.9	.1							2.6	6.7
ENE	.6	.6	.6	.3							2.0	6.4
E	.9	.9	1.6	.6							4.7	6.6
ESE	.2	.2	1.2	.2							3.1	7.7
SE	.3	1.2	1.4	.1							3.1	6.1
SSE	.6	1.7	.7	.9	.1						3.8	7.3
S	.2	3.6	4.4	1.6	.2						10.7	7.6
SSW	.2	1.1	3.6	3.5	1.0	.2	.2				10.6	10.7
SW	.7	.7	3.4	3.3	.1	.2	.1				8.7	10.4
WSW	1.4	2.7	5.3	2.4		.1					11.9	8.0
W	1.8	2.0	3.7	2.0							10.4	7.3
WNW	2.8	4.2	2.4	1.4							11.4	5.9
NW	1.4	2.3	.5	.5							4.5	5.3
NNW	.8	.7	.7	.2							2.4	5.8
VARIABLE												
CALM	////////////////////										4.7	////
TOTALS	15.5	26.8	32.9	17.7	1.5	.6	.3				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 845

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC      FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 037460      STATION NAME: BO'COMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP      HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.7	1.2	.4	.0						4.1	6.5
NNE	.3	.6	1.1	.4							2.4	7.4
NEL	.5	.6	.7	.5							2.4	7.1
ENE	.5	.6	1.2	.5	.1						2.8	7.9
E	.9	.7	1.7	.9	.0						4.2	7.4
ESE	.5	.4	1.1	.6							3.0	7.4
SE	.6	.9	1.2	.7	.0						3.3	7.1
SSE	.7	1.7	1.5	1.0	.2	.1	.0				4.8	7.4
S	.9	2.2	4.4	3.0	.5	.2	.0				11.1	7.1
SSW	.6	1.7	2.8	4.2	1.3	.3	.1				10.4	7.1
SW	.6	.0	2.5	3.2	.7	.1	.1	.0			4.7	7.1
WSW	.7	2.2	3.4	3.3	.2	.1					5.7	7.1
W	1.3	2.1	3.3	4.0	1.4	.3					7.1	7.1
WNW	1.7	2.4	1.6	1.2	.6	.1					4.6	7.1
NW	1.6	1.4	1.1	.0	.1						3.2	7.1
NNW	.8	1.0	.9	.4	.0	.0					2.1	7.1
VARIABLE												
CALM	////////////////////											
TOTALS	12.7	20.4	29.6	26.7	5.2	1.1	.2					

TOTAL NUMBER OF OBSERVATIONS: 7105

AD-A183 387

BOSCOMBE DOWN UNITED KINGDOM LIMITED SURFACE  
OBSERVATIONS CLIMATIC SUMMAR. (U) AIR FORCE  
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

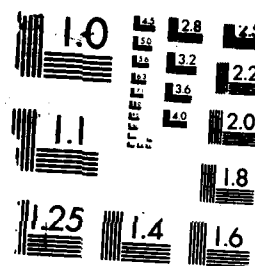
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MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.1	1.0	.8	.1						3.7	7.1
NNE	.2	.5	.7	.2							1.6	7.1
NE	.7	.7	1.3	.2	.2	.1					3.1	7.9
ENE	1.1	.4	2.3	.9							4.7	7.4
E	.9	1.7	4.3	1.3							8.2	8.0
ESE	.7	.7	1.1								2.4	5.5
SE	.3	2.0	2.6	.7	.3						5.9	8.3
SSE	1.0	1.5	1.7	1.0							5.2	6.9
S	1.0	2.0	4.0	2.7	1.1	1.0					11.7	10.6
SSW	.4	1.1	2.7	3.1	1.4	.2					9.0	11.4
SW	.2	1.3	3.0	2.9	.7	.1					8.2	10.6
WSW	1.0	1.1	2.4	3.6	.1						8.1	9.4
W	.9	1.6	2.1	3.3	.5						8.9	9.7
WNW	2.1	2.0	.9	1.1							6.0	6.1
NW	2.3	1.3	.9	.4							4.9	4.8
NNW	.9	.9	.7	.3							2.7	5.5
VARIABLE												
CALM	////////////////////										5.7	////
TOTALS	14.2	19.7	31.5	23.0	4.4	1.4					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: D37460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.6	1.2	.8	.2						4.7	7.5
NNE	.2	.4	.1	.3							1.1	6.7
NE	.5	1.0	.6	.4	.1	.2					2.9	8.3
ENE	.4	.8	1.7	1.1							4.0	8.4
E	.4	1.9	4.4	2.2	.1						9.1	8.6
ESE	.2	1.1	1.1	.1							2.5	6.8
SE	1.0	1.9	1.7	1.1	.2						6.0	7.5
SSE	.6	1.5	1.5	.8	.2						4.7	7.9
S	1.6	1.4	4.2	2.9	1.1	.6	.1				12.4	10.1
SSW	.2	1.5	2.5	3.2	1.7	.5					9.7	12.0
SW	.1	1.0	2.7	2.2	1.0						6.9	10.9
WSW	.6	1.3	1.8	2.8							6.6	9.1
W	1.3	1.6	2.1	3.6	.5						9.1	9.2
WNW	2.2	2.5	1.0	1.5	.3						7.5	6.8
NW	1.7	1.5	.5	.6							4.4	5.2
NNW	.9	.6	.4	.8							2.7	7.0
VARIABLE												
CALM	////////////////////										5.7	////
TOTALS	13.0	22.2	27.7	24.4	5.5	1.4	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	1.0	.8	.9								3.6	7.1
NNE	.6	.5	.5	.3								2.1	6.5
NE	.8	.3	.8	.1	.1							2.1	6.3
ENE	1.2	.8	2.4	1.2								5.5	7.5
E	1.6	1.7	4.9	1.5	.2							9.9	7.7
ESE	.3	1.3	1.1	.8								3.5	7.5
SE	.1	.8	2.2	.7								3.4	7.8
SSF	.5	1.0	1.5	1.2	.5	.1						4.9	9.5
S	.9	2.7	4.0	3.1	.9	.3	.1					11.6	10.0
SSW	.3	1.6	2.7	2.4	2.4	.5						9.9	12.0
SW	.3	.5	3.2	2.4	1.2	.2						7.9	11.2
WSW	.9	1.7	2.4	2.4	.1							7.5	8.6
W	2.1	1.0	3.2	2.4	.5							9.2	8.6
WNW	1.6	1.7	1.2	1.1								5.6	6.3
NW	3.0	1.3	.8	.3								5.4	4.1
NNW	1.1	1.2	.9	1.1	.1	.1						4.4	7.7
VARIABLE													
CALM	////////////////////											3.7	////
TOTALS	16.3	18.7	32.4	21.4	6.1	1.3	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	.8	1.5	.8	.1							3.9	8.1
NNE	.2	.7	1.1	.1								2.1	7.1
NE	.2	1.1	1.0	.5								2.8	7.6
ENE	.7	.4	1.8	1.3								4.2	8.6
E	.5	1.0	2.4	2.6	.5	.1						7.2	10.3
ESE	.7	.9	1.7	1.3	.4							5.0	9.0
SE	.2	.4	.9	1.0	.8							3.6	10.7
SSE	.4	.9	2.3	1.1	.3	.2						5.2	9.5
S	1.7	2.4	3.1	4.3	1.2	.3	.2					13.3	10.3
SSW	.3	.7	2.4	3.4	2.2	.9						9.8	13.7
SW	.5	.5	2.0	3.3	1.3		.1					7.7	11.9
WSW	.3	.5	2.7	4.1	.3							8.0	10.7
W	1.2	.9	2.9	4.2	1.2	.3	.1					10.8	11.0
WNW	1.4	.7	1.0	2.4	.4	.2	.1					6.2	9.8
NW	1.0	.7	1.0	1.4	.1							4.1	8.2
NNW	.7	1.2	1.0	1.2	.4							4.4	8.9
VARIABLE													
CALM	////////////////////											1.7	////
TOTALS	10.8	13.9	28.7	32.9	9.3	2.1	.5					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 923



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	.9	.9	1.5	.2							4.6	8.0
NNE	.2	1.0	1.2	.1								2.5	6.9
NE	.3	.8	.7	1.2	.1							3.0	8.8
ENE	.3	.8	1.1	.9	.2							3.3	9.9
E	.5	.8	1.6	2.4	.4							5.8	10.4
ESE	.1	.1	.8	1.8	.3	.1						3.3	12.4
SE	.5	.5	2.6	1.5	1.0							6.2	10.1
SSE		.2	1.5	1.6		.1						3.5	10.6
S	.4	.4	2.6	5.3	2.5	.9	.1					12.3	13.3
SSW	.8	.3	1.8	4.4	2.3	1.2		.2				11.4	14.3
SW	.3	.7	.3	3.6	1.3	.7	.1					7.0	14.3
WSW	.2	.4	3.5	5.0	.4	.1						9.7	11.2
W	.3	1.6	2.5	6.5	.8	.8						12.5	12.0
WNW	.5	.5	1.4	2.5	.4	.4	.1					6.0	11.8
NW	.1	1.3	.7	1.4								3.5	8.8
NNW	.2	.7	1.6	2.0	.5	.1						5.1	10.9
VARIABLE													
CALM	////////////////////											.4	////
TOTALS	6.1	11.0	24.8	42.2	10.6	4.4	.3	.2				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(1ST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	2.4	1.4	1.3	.2						5.4	8.0
NNE	.4	1.3	1.1								2.8	6.2
NE	.5	.9	1.3	.3							2.8	6.5
ENE	.4	.5	1.1	.3	.4						2.4	8.7
E	.3	1.2	1.6	1.4	.2						4.8	9.2
ESE	.3	.1	1.3	1.4	.7						3.8	11.6
SE	.3	.4	2.4	1.6	.2						5.3	9.5
SSE	.5	.7	1.6	.5	.1						3.5	7.8
S	1.0	1.3	3.3	5.4	2.3	.4					14.0	11.7
SSW	.4	.5	1.8	6.4	1.8	.5					11.6	13.0
SW	.4	.7	1.4	2.8	1.2	.4					7.0	12.5
WSW	.1	1.7	2.5	3.5	.5						8.4	10.2
W	.1	2.0	3.8	5.8	1.1	.4					13.2	11.3
WNW	.5	1.3	1.5	1.7	.2	.3					5.7	9.6
NW	.5	1.1	2.0	.9	.1						4.5	7.8
NNW	.2	1.6	1.0	.5	.2						3.6	8.2
VARIABLE												
CALM	////////////////////											.4
TOTALS	6.7	18.1	29.2	34.1	9.4	2.2					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	2.1	.9	.9								4.3	6.5
NNE	.9	1.3	.8	.2								3.0	5.7
NE	.4	.3	1.5	.3								2.6	7.3
ENE	.6	.4	1.0	.4	.3							2.8	8.3
E	.5	1.4	2.1	1.9	.2							6.2	9.0
ESE	.1	1.4	1.4	1.3	.2							4.4	9.0
SE	.4	1.2	1.2	1.0	.1							4.6	7.9
SSE	.5	1.9	2.6	.5	.3							5.9	7.6
S	.8	2.4	5.1	3.8	1.0	.3						13.3	9.8
SSW	.3	1.0	3.2	4.3	1.1	.4						10.4	11.7
SW		.8	3.1	3.5	.8	.1	.1					8.3	11.6
WSW	.4	2.1	3.5	2.9	.3	.2						9.4	9.4
W	1.5	1.2	3.6	2.2	.5							9.7	8.3
WNW	1.0	2.5	1.8	.6								5.9	6.3
NW	.4	1.1	.6	.2								2.4	6.2
NNW	.8	1.0	.4	.6								2.8	6.6
VARIABLE													
CALM	////////////////////											3.4	////
TOTALS	9.1	23.5	32.8	24.6	4.9	1.1	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	1.4	.9	.8								4.0	6.5
NNF	.7	.8	.3	.1								1.8	4.8
NE	.5	1.1	.7	.1	.2							2.6	6.5
ENE	.4	.7	1.4	1.2	.4							4.1	9.7
E	1.2	1.5	3.1	1.9								7.7	7.9
ESE	.1	1.2	1.6	.4								3.4	8.0
SE	.2	1.4	2.3	1.0	.2							5.1	8.4
SSE	.2	1.2	2.7	.8	.2							5.1	8.5
S	.7	3.4	3.7	3.9	.9	.2						12.7	9.6
SSW	.5	.5	2.4	3.7	1.1	.1						7.9	11.4
SW	.7	1.1	3.1	3.3	.9	.2						9.2	10.6
WSW	1.4	1.1	3.8	3.7	.3							10.5	9.1
W	1.1	2.0	2.7	1.7	.5							8.1	8.7
WNW	1.7	2.7	1.3	.7								6.4	5.5
NW	1.3	.8	.8	.4								3.3	5.4
NNW	.3	1.2	.8	.7								2.9	7.2
VARIABLE													
CALM	////////////////////											5.1	////
TOTALS	12.0	21.0	31.6	24.1	4.8	.5						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.4	1.1	.9	.1						4.3	7.4
NNE	.4	.0	.7	.2							2.1	6.3
NE	.5	.8	1.0	.4	.1	.0					2.8	7.5
ENE	.7	.6	1.6	.9	.2						3.9	8.4
E	.8	1.4	3.1	1.9	.2	.0					7.4	8.7
ESE	.3	.8	1.3	.9	.2	.0					3.5	9.0
SE	.4	1.7	2.0	1.0	.4						5.0	8.8
SSE	.5	1.1	1.9	.9	.2	.1					4.7	8.5
S	1.0	2.0	3.8	4.0	1.4	.5	.1				12.7	10.7
SSW	.4	.0	2.5	3.9	1.7	.6		.0			10.0	12.5
SW	.3	.4	2.4	3.0	1.0	.2	.0				7.8	11.6
WSW	.6	1.2	2.8	3.5	.3	.0					8.5	9.7
W	1.1	1.6	2.9	3.8	.7	.2	.0				10.2	10.0
WNW	1.4	1.7	1.3	1.4	.2	.1	.0				6.2	7.7
NW	1.3	1.1	.9	.7	.0						4.1	6.2
NNW	.6	1.0	.8	.0	.2	.0					3.6	8.1
VARIABLE												
CALM	////////////////////										3.3	////
TOTALS	11.1	18.6	29.8	28.3	6.9	1.8	.1	.0			100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 7380

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.6	2.3	.7							5.5	7.0
NNE	.2	.4	1.0	.3	.1						2.0	8.4
NE		.1	.9	.4	.2						1.7	11.5
ENE	.4	.1	.8	1.8							3.1	10.1
E	.9	.4	3.2	1.2							6.0	8.1
ESE	.2	.7	.4	1.2	.1						2.7	9.5
SE	.1	.6	.9	1.5	.1						3.1	10.2
SSE	.1	.7	.8	1.0	.4						3.0	10.5
S	.3	2.2	3.6	2.7	.8	.9	.1				10.6	10.9
SSW	.3	.9	3.2	4.1	2.8	1.3					12.7	13.6
SW	.2	.2	2.6	4.2	2.2	.4					9.9	13.5
WSW	.9	1.1	2.0	3.4	.6	.2					8.2	10.0
W	1.5	1.6	2.2	3.9	1.1	.7	.1				11.1	10.9
WNW	2.3	2.3	1.1	1.6	.3	.1					7.8	7.1
NW	1.6	1.8	.7	.6							4.6	5.6
NNW	.4	1.0	1.6	.3	.4	.3					4.1	9.5
VARIABLE												
CALM	////////////////////										3.8	////
TOTALS	10.4	16.0	27.4	26.9	9.3	4.0	.2				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	1.0	3.2	1.1	.1						6.7	7.6
NNE	.1	.6	.4	.3	.3						1.8	9.4
NE		.7	.3	.4	.1	.1					1.7	10.5
ENE	.6	.3	1.1	1.6	.3	.1					4.0	10.7
E	.6	.7	2.8	.9							4.9	8.0
ESE	.7	.1	1.6	1.1	.2	.3					4.0	10.2
SE	.3	.8	.4	1.1	.1						2.8	8.8
SSE	.1	.4	1.0	1.0	.1						2.7	9.8
S	.4	1.7	4.4	3.5	1.0	.3	.1				11.4	10.7
SSW	.2	.3	2.1	4.2	1.7	.8					9.4	13.6
SW	.6	.1	3.8	3.4	2.5	.7					11.4	12.7
WSW	.9	1.0	3.1	3.7	.8	.1					9.6	10.4
W	1.0	1.5	2.5	4.0	1.3	1.0	.1				11.4	12.1
WNW	2.1	2.3	1.1	.4	.2						6.6	6.1
NW	2.0	1.2	.8	.4	.3						4.8	6.1
NNW	.4	.7	1.7	1.1	.1						4.0	9.0
VARIABLE												
CALM	////////////////////										2.9	////
TOTALS	11.3	13.4	30.4	29.1	9.3	3.5	.2				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	.9	2.7	1.5	.3						6.0	8.9
NNE	.1	.6	.6	.7							1.9	8.7
NE	.2	.2	1.0	.8							2.2	8.8
ENE	.3	.1	.6	1.7	.7	.1					3.5	12.0
E	.6	1.1	3.2	.8	.2						5.9	8.6
ESE	.2	.6	.4	1.1	.4	.2					3.0	11.7
SE	.3	.8	1.6	1.1	.1						3.9	8.9
SSE	.2	.6	.7	.7	.3	.1					2.8	10.8
S	.8	1.5	4.5	3.4	1.2	.3	.1				11.8	10.8
SSW	.7	1.0	2.8	4.1	2.8	.6					12.0	12.5
SW	.3	.4	2.1	4.1	1.2	.8	.1				9.2	13.4
WSW	.3	1.0	2.6	3.7	.7						8.3	10.7
W	1.6	1.9	1.6	3.1	1.2	.8					10.2	11.0
WNW	1.8	1.2	.7	1.3	.4	.1					5.6	8.0
NW	1.5	1.5	1.8	.4	.3						5.8	7.2
NNW	.9	.9	1.9	1.7	.3						5.0	8.4
VARIABLE												
CALM	////////////////////										2.8	////
TOTALS	10.5	14.2	28.7	30.1	10.4	3.0	.2				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 893



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.7	1.7	1.1	.2						4.5	8.7
NNE		.4	1.3	.7							2.5	8.7
NE	.1	.3	.4	1.3	.2						2.5	11.1
ENE	1.0	.1	.6	1.6	.4	.2					3.9	10.4
E	.2	.6	2.5	1.8	.3						5.4	10.2
ESE	.3	.6	.8	1.5	.3						3.5	10.0
SE	.7	.6	.8	1.2	.6						3.8	9.8
SSE	.3	.6	1.3	1.3	.6						4.1	10.6
S	.3	1.2	3.3	2.1	1.5	1.1					9.5	12.1
SSW	.4	.1	2.2	4.5	2.7	1.1	.2				11.3	14.7
SW	.7	.8	2.7	4.3	2.4	.9					11.7	13.2
WSW	.3	.4	3.0	3.8	.8	.1					8.5	11.0
W	1.1	1.6	1.8	3.8	1.3	.9					10.5	11.7
WNW	1.5	1.7	1.1	1.2	.9	.3					7.4	9.6
NW	.8	1.1	1.8	.4							4.1	7.1
NNW	.8	1.2	1.5	1.6	.1						5.2	8.4
VARIABLE												
CALM	////////////////////										1.6	////
TOTALS	8.7	12.7	26.8	33.0	12.3	4.7	.2				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	.9	1.7	2.1	.1						5.2	9.2
NNE	.2	.6	1.0	1.2							3.0	8.9
NE		.2	.6	.8	.2	.1					1.9	12.0
ENE	.6	.6	.9	1.3	.6	.2					4.1	10.8
E	.9	1.2	2.2	1.2	.3						5.9	8.2
ESE	.2	.7	.4	.8	.6	.2					2.9	11.9
SE	.7	.6	1.0	1.7	.2	.2					4.4	10.7
SSE	.3	.1	1.8	1.1	.3	.3					4.0	11.0
S	.4	.9	1.6	3.3	.8	.9					7.8	12.4
SSW	.2	.2	.4	3.3	2.8	1.9	.4				9.3	17.4
SW		.1	1.9	4.3	2.7	1.5					10.4	15.6
WSW	.4	.8	4.3	6.4	.6						12.4	10.9
W	.6	.7	2.2	4.4	1.3	.9	.1				10.2	12.9
WNW	.6	.3	1.8	2.9	1.6	.7					7.8	13.2
NW	.1	.6	1.1	2.1	.1	.1					4.1	11.3
NNW	.3	1.1	2.5	1.5	.2	.2					5.9	9.5
VARIABLE												
CALM	////////////////////										.3	////
TOTALS	5.9	9.5	25.4	38.5	12.4	7.3	.6				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.8	2.1	.9							5.4	7.5
NNE	.1	1.1	1.1	.3							2.7	7.1
NE	.1	.7	1.0	.4	.1	.1					2.5	9.5
ENE	.4	.6	1.3	1.5	.4	.1					4.4	10.4
E	.2	1.3	1.5	.8	.3						4.1	8.6
ESE	.2	.3	1.8	.6	.4						3.4	10.3
SE	.4	1.1	.8	2.0	.3						4.7	9.9
SSE	.2	.4	1.3	1.0	.2	.1					3.4	10.7
S	.6	1.1	2.7	2.5	1.0	1.0					8.8	12.1
SSW	.3	.6	2.1	5.0	2.2	1.0	.1	.1			11.5	14.3
SW	.1	.4	2.1	4.8	1.5	1.0	.1	.1			10.2	14.1
WSW	.3	1.5	2.5	5.4	1.0		.1				10.8	11.1
W	.7	1.6	2.4	4.0	1.0	.6					10.4	11.2
WNW	.2	1.8	1.0	3.1	1.2		.1				7.5	11.4
NW	.4	1.0	1.0	.7	.2						3.4	8.5
NNW	.2	1.2	2.5	1.2	.6						5.7	9.4
VARIABLE												
CALM	////////////////////										1.2	////
TOTALS	5.3	16.0	27.2	34.3	10.6	3.9	.4	.2			100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.0	2.6	.4							6.0	6.6
NNE		1.0	.8	.9							2.7	8.6
NE	.2	.3	1.1	.8	.1						2.6	9.5
ENE		.3	1.2	1.5	.2						3.2	11.4
E		.9	2.7	1.5	.2						5.3	9.7
ESE	.4	.3	1.5	.4	.4	.2					3.7	10.8
SE	.1	.4	1.1	1.5							3.1	10.0
SSE	.3	1.3	1.9	1.4	.2						5.6	9.2
S	.3	2.0	3.5	1.6	1.7	.8					9.9	11.2
SSW	.4	.4	2.4	4.9	2.1	.3	.2				10.9	13.5
SW	.3	.2	3.1	3.9	1.7	.6	.1				10.0	13.3
WSW	.7	1.5	2.4	4.1	.2	.1	.3				9.3	10.5
W	1.5	1.4	2.4	3.4	1.1	.4					10.5	10.1
WNW	1.1	2.2	1.2	2.9	.4	.2					8.2	9.3
NW	.3	.9	.8	.7							2.9	8.2
NNW	.9	.6	1.0	1.0	.4						3.9	8.7
VARIABLE												
CALM	////////////////////										2.2	////
TOTALS	7.7	16.3	29.6	31.8	9.0	2.7	.7				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.4	1.7	.3	.1							4.2	6.8
NNE	.4	.3	1.1	.9								2.8	8.4
NE	.2	.6	.9	1.2								2.9	8.8
ENE		.7	.7	1.6	.4							2.9	12.4
E	.3	.4	3.3	1.4	.2							6.1	9.0
ESE	.3	.4	.7	.6		.1						2.1	9.6
SE	.3	.3	1.2	1.4	.3	.1						4.1	10.5
SSE	.2	.4	1.4	1.1	.2							3.5	9.8
S	.6	1.7	4.7	2.8	1.0	1.1						11.8	11.2
SSW	.2	.7	2.9	5.1	1.7	1.1	.2					11.9	13.6
SW	.4	.6	2.6	4.9	1.1	.3	.2					10.1	12.5
WSW	.4	.7	3.1	2.6	.6	.2						7.8	10.6
W	.7	1.6	2.2	3.8	1.1	.4						9.8	11.3
WNW	1.6	2.7	1.3	2.2	.2							7.4	8.0
NW	1.0	.4	1.4	.4			.1					3.8	7.1
NNW	1.0	1.1	1.8	1.2	.4	.1						5.7	8.6
VARIABLE													
CALM	////////////////////											3.0	////
TOTALS	8.5	13.8	31.1	32.0	7.5	3.6	.6					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.4	2.3	1.0	.1						5.4	7.8
NNE	.2	.6	.9	.7	.1						2.4	8.5
NE	.1	.4	.8	.8	.1	.0					2.2	10.1
ENE	.4	.3	.9	1.6	.4	.1					3.6	11.0
E	.4	.9	2.7	1.2	.2						5.5	8.8
ESE	.3	.1	1.0	1.7	.3	.1					3.2	10.4
SE	.4	.6	1.0	1.5	.2	.0					3.7	9.9
SSE	.2	.6	1.3	1.2	.3	.1					3.6	10.2
S	.5	1.0	3.5	2.7	1.1	.8	.0				10.2	11.4
SSW	.4	.5	2.3	4.4	2.3	1.0	.2	.0			11.1	14.1
SW	.3	.4	2.6	4.3	1.9	.8	.1	.0			10.4	13.5
WSW	.5	1.0	2.9	4.1	.6	.1	.1				9.4	10.7
W	1.1	1.5	2.2	3.2	1.2	.7	.0				10.5	11.4
WNW	1.4	1.7	1.2	2.1	.7	.2	.0				7.3	9.2
NW	1.0	1.1	1.2	.8	.1	.0	.0				4.2	7.5
NNW	.6	1.0	1.8	1.1	.3	.1					5.0	8.9
VARIABLE												
CALM	////////////////////										2.2	////
TOTALS	8.5	14.1	28.3	32.2	10.1	4.1	.4	.0			100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 7151

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.2	1.0	.6	.3	.1						4.0	8.2
NNF	.2	.6	.2	.3								1.6	6.6
NE	.2	.6	.6	.9								2.2	9.2
ENE	.1	.2	1.0	.6	.2	.2						2.3	11.5
E	.4	1.3	3.7	3.6	.2							9.3	9.6
ESE	.1	.2	1.7	1.7	.1							3.2	9.5
SE	.3	.6	1.0	1.1	.4							3.5	10.0
SSE	.6	.4	1.6	1.4	1.2	.2						5.5	12.1
S	1.4	2.0	4.6	3.7	1.6	.6						13.8	10.3
SSW	.4	.2	2.3	3.7	1.3	1.1	.1					9.3	13.3
SW	.2	.2	1.7	3.0	1.9	1.6	.2					9.3	14.8
WSW	.4	1.1	2.7	3.7	.7	.3						8.9	11.2
W	1.2	1.4	3.0	2.9	1.6	1.6	.4					12.5	12.2
WNW	1.0	1.4	.9	1.4	.1	.2						5.1	8.2
NW	.7	.6	2.0	.4	.1							3.8	7.8
NNW	.2	.4	1.1	.0								2.7	8.9
VARIABLE													
CALM	////////////////////											3.1	////
TOTALS	8.5	13.7	29.0	29.2	9.8	5.9	.8					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LEST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.1	1.0	.9	.1	.1					3.6	8.5
NNE	.3	.1	.1	.2	.1	.1					1.6	10.9
NE	.3	.4	.3	.2		.2					1.6	8.6
ENE	.3	.2	1.7	1.4	.2	.1					4.0	10.3
E	.6	1.2	3.2	3.3	.3						8.7	9.4
ESE	.6	.7	.4	1.4	.2						3.0	10.4
SE	.4	.4	1.2	1.2	.6	.1					4.0	10.7
SSE	.7	.7	1.2	1.9	.6	.9					5.9	12.5
S	.8	1.4	4.1	3.7	1.8	.9					12.7	11.5
SSW	.4	1.0	2.0	3.4	1.1	.9					8.9	12.5
SW	.2	.4	1.9	2.4	2.3	1.0	.2				8.9	14.7
WSW	.3	1.6	3.1	3.9	.4	.1					9.4	10.1
W	.8	1.6	2.0	4.0	1.7	.9		.3			11.2	12.6
WNW	1.0	1.5	1.2	1.1	1.0	.7					6.9	10.4
NW	1.1	1.0	.3	.2	.2						3.1	6.0
NNW	.7	.1	1.4	1.7	.2						4.1	9.7
VARIABLE												
CALM	////////////////////										2.6	////
TOTALS	8.9	13.4	25.3	32.0	10.9	6.0	.2	.3			100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 900



GLOHAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(1ST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	.9	1.0	1.1	.7	.1					3.9	8.8
NNE	.1	.3	.6	.6	.2	.1					1.9	10.6
NE	.2	.9	.2	.1							1.5	5.8
ENE	.7	.7	1.2	1.7	.1	.2					3.8	9.7
E	.3	.6	2.2	3.7	.2						7.3	10.6
ESE	.1	.6	.9	1.7	.7						3.7	12.6
SE	.7	1.0	1.1	.9	.9	.1					4.6	9.6
SSE		.7	1.1	1.2	.8	1.5	.1				4.9	16.5
S	.9	.9	4.2	3.0	2.1	.8					11.9	11.7
SSW	.6	.7	2.1	4.4	.9	1.0					9.6	12.7
SW	.3	.9	2.7	4.1	1.5	.6					9.6	12.6
WSW	.3	1.0	3.5	4.1	1.0	.1					10.0	10.8
W	1.1	1.7	2.7	4.9	1.1	.7					11.7	11.2
WNW	1.3	1.6	1.2	2.0	.3	.2					6.7	8.8
NW	1.7	1.0	.2	.8							3.0	6.6
NNW	.2	.4	1.0	1.7							3.3	9.5
VARIABLE												
CALM	////////////////////										2.6	////
TOTALS	8.5	12.1	25.6	35.4	10.0	5.4	.1				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: U37460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.1	1.0	1.7	.7							4.3	8.8
NNE		.3	.6	.7	.1							1.3	9.5
NE	.2	.7	.1	.5								1.1	8.3
ENE	.4	.7	.9	1.6		.3						3.4	10.5
E	.7	.7	2.0	4.0	.2							7.5	10.6
ESE	.3	.4	1.0	1.7	.9	.1						4.4	11.3
SE	.4	.7	1.0	1.3	.8	.2						4.4	11.5
SSE	.6	.8	1.1	.6	1.2	.6						4.4	12.2
S	.4	1.0	5.3	2.9	2.7	1.0	.1					13.4	12.5
SSW	.2	.7	2.1	3.2	1.7	.8	.6					9.2	14.1
SW		.7	2.7	3.2	1.4	.6						8.5	13.0
WSW	.2	1.0	2.4	5.9	.6	.1						10.2	11.5
W	1.2	1.4	2.2	5.0	1.7	.4	.1					12.1	11.5
WNW	.9	1.1	1.8	1.1	.2	.9						6.0	10.1
NW	.9	.8	.4	.8								2.9	6.8
NNW	.1	.2	1.4	2.0	.1							3.9	11.0
VARIABLE													
CALM	////////////////////											2.3	////
TOTALS	7.2	11.7	26.1	35.1	11.9	5.0	.8					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.6	1.0	1.0	.6						4.2	11.0
NNE	.1	.2	.8								1.1	7.1
NE		.7	.1	.3		.2					1.3	10.6
ENE	.4	.3	1.2	.9	.3						3.1	9.5
E	.6	.6	1.8	2.2							5.1	9.2
ESE	.7	.6	.6	2.2	1.0						5.0	11.6
SE	.2	.2	.7	2.0	.9	.6					4.6	13.7
SSE	.3	.7	.7	.7	.7	.3					3.3	11.9
S	.9	1.9	2.2	4.2	2.6	.7	.2				12.7	12.5
SSW	.4	.9	1.3	2.9	2.7	.8	.2				9.2	14.2
SW	.2	.4	2.0	3.9	2.3	1.1					10.3	13.8
WSW	.2	.9	2.4	5.7	.6	.1					9.9	11.3
W	.9	1.3	2.9	6.2	2.6	.2					14.1	12.1
WNW	.7	.2	1.0	3.0	.7	.9					6.5	13.0
NW	.3	.7	1.3	.7	.3						3.3	8.9
NNW	.2	.3	1.2	3.1							4.9	11.1
VARIABLE												
CALM	////////////////////										1.2	////
TOTALS	6.5	10.4	21.2	39.4	15.1	4.9	.4				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	1.5	1.5	.6	.6	.1						4.3	9.7
NNE			.4	.4	.1							1.0	11.2
NE	.3	.7	.3	.2								1.1	6.2
ENE		.4	.7	1.2	.3	.1						2.8	11.8
E	.4	1.3	1.8	1.6								5.2	8.5
ESE	.2	.3	.7	2.0	.2	.2	.1					3.8	12.5
SF	.1	.9	2.0	1.4	.3	.4						5.6	11.4
SSE	.3	.4	1.7	2.0	.9	.2						5.9	11.5
S	.2	1.9	3.9	4.5	2.1	.3	.6					13.6	12.1
SSW	.2	.4	2.6	2.7	2.1	.7	.1					8.9	13.7
SW		.4	2.0	2.7	1.8	.6	.2					8.1	13.8
WSW	.2	2.0	3.9	2.4	.4							9.0	9.4
W	1.0	1.7	3.7	6.2	2.1	.8						15.5	11.7
WNW	.8	.7	1.5	2.0	.2	.1						5.3	9.5
NW	.2	1.1	1.3	1.0								3.7	8.0
NNW	.4	.6	2.0	2.1								5.2	9.3
VARIABLE													
CALM	////////////////////											1.1	////
TOTALS	4.7	14.7	30.1	33.4	11.3	3.6	1.0					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.2	1.7	.3	.3	.1	.2				4.3	9.4
NNE	.1	.7	.2	.1							1.1	6.4
NE	.1	.7		.1							1.2	6.7
NNE	.1	.4	.3	.9	.6	.2					2.6	12.4
E	.1	1.2	2.2	2.3	.4	.2					6.5	10.7
ESE	.4	.6	1.2	1.0	.3	.1	.1				3.8	10.6
SE	.2	1.3	1.8	1.1	.7	.4					5.8	10.8
SSE	.6	1.1	1.3	2.0	1.4	.3		.1			6.9	12.2
S	.2	1.9	5.4	2.8	2.1	.9	.1				13.4	11.8
SSW		.4	2.6	3.0	1.4	.8	.4				8.7	14.2
SW	.3	.8	2.0	3.6	1.4	.7					8.8	13.0
WSW	.3	1.8	2.6	3.9	.8						9.3	10.4
W	.3	1.2	3.2	3.9	1.6	1.1	.1				11.3	12.8
WNW	1.7	2.0	1.3	1.8							6.8	7.1
NW	.8	.7	1.3	.3							3.1	6.8
NNW	.2	.6	2.3	1.7							4.8	9.1
VARIABLE												
CALM	////////////////////										1.7	////
TOTALS	6.0	16.6	29.5	29.1	11.1	4.9	1.0	.1			100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS/LSII: 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	1.0	.9	.4	.1	.3						4.5	7.6
NNE	.3	.6	.2									1.1	4.8
NE		.1	.2	.6								.9	11.1
ENE		.6	.2	.6	.1		.3					1.8	13.6
E	.6	1.7	3.3	3.1	.3							8.5	9.0
ESE	.3	1.4	.9	.4	.3							3.4	8.0
SE	.2	.6	1.7	1.7	1.2	.3						5.6	12.4
SSE	.3	1.3	1.6	1.4	.8							5.4	10.1
S	1.1	2.7	4.7	2.7	2.1	.4	.2					13.8	10.5
SSW	.3	.2	2.1	2.7	2.3	.8	.2					9.3	14.5
SW	.4	.6	2.7	3.9	1.8	.7						9.9	12.6
WSW	.7	.9	2.2	3.9	1.1	.3						9.1	11.5
W	1.3	2.0	2.7	3.9	1.7	1.0	.2					12.6	11.7
WNW	1.1	1.7	2.4	1.2		.1						5.9	7.9
NW	.9	1.0	1.8	.7								4.3	7.1
NNW	.4	.3	1.1	1.1								3.0	8.8
VARIABLE													
CALM	////////////////////											1.9	////
TOTALS	9.1	16.7	28.6	27.4	11.8	4.0	1.0					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.2	1.1	.9	.3	.1	.0				4.1	9.0
NNF	.2	.4	.4	.1	.1	.0					1.3	8.6
NE	.2	.5	.2	.4		.1					1.4	8.3
ENE	.3	.3	.9	1.0	.2	.2	.0				3.0	10.9
E	.5	1.2	2.5	3.0	.2	.0					7.3	9.8
ESE	.3	.6	.9	1.4	.5	.1	.0				3.8	10.9
SE	.3	.7	1.3	1.4	.7	.3					4.9	11.3
SSE	.4	.8	1.3	1.4	.9	.5	.0	.0			5.3	12.3
S	.8	1.7	4.3	3.4	2.1	.7	.2				13.2	11.6
SSW	.3	.6	2.1	3.2	1.7	.8	.2				9.0	13.6
SW	.2	.6	2.2	3.4	1.8	.8	.1				9.2	13.5
WSW	.3	1.3	2.9	4.2	.7	.1					9.5	10.8
W	1.0	1.5	2.8	4.6	1.7	.8	.1	.0			12.6	12.0
WNW	1.1	1.2	1.4	1.7	.3	.4					6.1	9.4
NW	.7	.9	1.1	.6	.1						3.4	7.3
NNW	.3	.4	1.5	1.4	.0						4.0	9.7
VARIABLE												
CALM	////////////////////										2.0	////
TOTALS	7.4	13.7	26.9	32.7	11.5	5.0	.7	.1			100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 7188

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.9	1.9	1.3	.2	.0	.0				6.0	8.0
NNE	.3	.9	1.3	1.3	.2	.0					4.0	9.3
NE	.3	.6	1.2	1.3	.3	.1					3.8	9.8
NNE	.4	.6	1.2	1.6	.5	.2	.0				4.5	11.0
E	.7	1.1	2.2	2.1	.4	.1	.0				6.5	9.5
ESE	.4	.6	1.0	.9	.2	.1	.0				3.2	9.4
SF	.4	.8	1.1	1.1	.3	.1	.0	.0			3.8	9.6
SSE	.4	.9	1.3	1.0	.3	.1	.0	.0			3.9	9.3
S	.7	1.7	3.6	2.8	.9	.3	.0	.0			10.1	10.2
SSW	.4	.7	2.1	3.2	1.3	.5	.1	.0	.0		8.4	12.5
SW	.3	.6	1.9	2.5	1.0	.4	.1	.0	.0		6.7	12.2
WSW	.5	1.3	2.3	2.6	.3	.1	.0				7.0	9.7
W	1.1	2.1	3.1	4.2	1.0	.4	.1	.0			12.0	10.5
WNW	1.5	2.1	1.7	1.9	.5	.2	.0	.0			7.9	8.6
NW	1.2	1.3	1.2	.9	.1	.1	.0	.0			4.8	7.3
NNW	.7	1.2	1.3	1.1	.1	.0	.0				4.5	8.1
VARIABLE												
CALM	////////////////////										2.9	////
TOTALS	10.0	18.3	28.6	29.7	7.6	2.6	.3	.0	.0		100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 86045



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(UT): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE  
AND/OR  
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.7	1.8	1.5	.2	.1	.0					6.1	8.5
NNE	.3	.9	1.5	1.5	.4	.1						4.5	9.9
NE	.4	.7	1.3	1.4	.2	.1						4.1	9.9
ENE	.5	.6	1.3	1.9	.6	.1	.0					5.1	11.0
E	.8	1.3	2.5	2.7	.5	.1	.0					7.9	9.7
ESE	.5	.7	1.0	1.2	.3	.1	.0					3.8	9.8
SE	.4	.9	1.5	1.8	.4	.2	.0	.0				5.2	10.3
SSE	.4	.9	1.6	1.5	.6	.2	.0					5.2	10.8
S	.6	1.4	3.5	4.4	2.1	.8	.1	.0				13.0	12.3
SSW	.4	.7	1.9	4.8	2.7	1.2	.1	.0	.0			11.8	14.3
SW	.3	.4	1.4	2.7	1.7	.7	.1	.0				7.4	14.1
WSW	.4	.9	1.7	2.2	.3	.1	.0					5.6	10.1
W	.8	1.2	1.8	2.0	.5	.3	.0					6.5	9.9
WNW	1.4	1.0	.8	.6	.1	.1						3.9	6.4
NW	1.2	1.0	.8	.3	.0	.1						3.4	6.1
NNW	.9	.9	1.0	.6	.1	.0						3.4	7.4
VARIABLE													
CALM	////////////////////											3.1	////
TOTALS	9.8	15.1	25.4	31.7	10.7	4.2	.5	.0	.0			100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 21665

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## CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	4/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(CELT): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	100	90	80	60	40	40	30	20	16	12	10	8	5	4	0		
NO CEIL	10.8	23.0	23.3	25.7	26.4	27.4	28.3	29.0	29.4	29.4	29.4	29.4	29.4	29.7	29.7	30.3	
GE 20000	22.4	28.1	28.8	31.4	32.6	33.6	34.7	35.6	36.0	36.0	36.0	36.0	36.0	36.3	36.3	36.9	
GE 18000	22.6	28.3	29.0	31.6	32.4	33.9	34.9	35.8	36.3	36.3	36.3	36.3	36.3	36.5	36.5	37.2	
GE 16000	22.6	28.3	29.0	31.6	32.4	33.9	34.9	35.8	36.3	36.3	36.3	36.3	36.3	36.5	36.5	37.2	
GE 14000	22.8	28.5	29.2	31.8	33.1	34.1	35.1	36.0	36.5	36.5	36.5	36.5	36.5	36.7	36.7	37.4	
GE 12000	23.5	29.5	30.2	32.8	34.1	35.1	36.1	37.0	37.5	37.5	37.5	37.5	37.5	37.7	37.7	38.4	
GE 10000	24.2	31.1	31.9	34.8	36.0	37.2	38.2	39.1	39.5	39.5	39.5	39.5	39.5	39.8	39.8	40.5	
GE 9000	24.7	31.7	32.5	35.5	36.7	37.8	38.9	39.8	40.2	40.2	40.2	40.2	40.2	40.5	40.5	41.1	
GE 8000	25.2	32.3	33.1	36.0	37.3	38.4	39.4	40.3	40.8	40.8	40.8	40.8	40.8	41.0	41.0	41.7	
GE 7000	25.5	32.5	33.3	36.4	37.6	38.8	39.8	40.7	41.1	41.1	41.1	41.1	41.1	41.4	41.4	42.0	
GE 6000	26.1	33.5	34.4	37.7	39.1	40.5	41.6	42.5	43.0	43.0	43.0	43.0	43.0	43.2	43.2	43.9	
GE 5000	26.4	34.5	35.7	39.3	40.9	42.3	43.6	44.5	45.0	45.0	45.0	45.0	45.0	45.2	45.2	45.9	
GE 4500	27.7	35.6	36.8	40.5	42.0	43.5	44.9	45.8	46.3	46.3	46.3	46.3	46.3	46.6	46.6	47.3	
GE 4000	28.5	36.4	37.7	41.4	43.0	44.4	45.8	46.7	47.2	47.2	47.2	47.2	47.2	47.5	47.5	48.2	
GE 3500	29.7	37.7	39.2	42.8	44.4	45.9	47.3	48.2	48.6	48.6	48.6	48.6	48.6	49.0	49.0	49.7	
GE 3000	32.7	41.0	42.8	46.8	48.4	49.9	51.3	52.5	53.0	53.0	53.0	53.0	53.0	53.3	53.3	54.0	
GE 2500	35.5	44.4	46.4	50.5	52.0	53.5	54.9	56.4	57.2	57.2	57.2	57.2	57.2	57.6	57.6	58.3	
GE 2000	38.2	48.2	50.3	55.5	57.4	58.9	60.3	61.9	62.8	63.2	63.2	63.2	63.2	63.5	63.5	64.5	
GE 1800	39.2	49.7	51.8	57.2	59.2	60.7	62.3	63.9	64.8	65.2	65.2	65.2	65.2	65.5	65.5	66.6	
GE 1500	40.3	51.3	53.6	59.2	61.4	63.5	65.1	66.9	68.0	68.4	68.4	68.4	68.4	69.1	69.1	69.8	
GE 1200	41.8	54.4	57.0	63.3	66.6	68.2	69.9	72.0	73.3	73.8	73.8	73.8	73.8	74.4	74.4	75.1	
GE 1000	42.2	55.9	58.8	65.7	69.0	70.6	72.3	74.9	76.3	76.7	76.7	76.7	76.7	77.0	77.4	78.1	
GE 900	42.4	56.5	59.8	67.0	70.3	71.9	73.8	76.5	78.0	78.4	78.4	78.4	78.4	79.1	79.1	79.8	
GE 800	42.7	57.0	60.3	67.7	71.1	72.8	74.7	77.4	78.9	79.3	79.3	79.3	79.3	80.1	80.1	80.8	
GE 700	43.1	58.0	61.6	69.4	73.0	74.7	76.6	79.7	81.1	81.8	82.0	82.2	82.3	82.6	82.6	83.3	
GE 600	43.2	59.0	63.2	71.0	74.5	76.6	78.6	82.2	83.8	84.4	84.7	84.8	84.9	85.2	85.2	85.9	
GE 500	43.3	59.5	63.9	71.9	75.7	77.8	80.2	84.4	86.1	86.9	87.7	87.3	87.4	87.7	87.7	88.4	
GE 400	43.6	60.1	64.5	72.8	76.7	79.0	81.4	85.6	87.3	88.2	88.4	88.5	88.6	89.0	89.0	89.7	
GE 300	43.6	60.5	64.9	73.4	77.8	80.3	83.0	87.3	89.2	90.2	90.6	90.7	90.8	91.1	91.1	91.8	
GE 200	43.6	60.6	65.0	73.9	78.8	81.6	84.5	89.7	91.9	93.2	93.5	93.9	94.1	94.4	94.4	95.1	
GE 100	43.6	60.6	65.0	73.9	78.8	81.8	84.9	90.2	92.8	94.7	95.1	95.5	95.8	96.3	96.3	97.2	
GE 0	43.6	60.6	65.0	73.9	78.8	81.8	84.9	90.2	93.1	95.0	95.6	95.9	96.4	96.9	96.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 880

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS/LEST: 0300-0500

CEILING IN FEET	1 1	51 160	GE 90	GE 90	GE 60	GE 49	GE 40	VISIBILITY IN HUNDREDS OF METERS										GE 4	GE L
								GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE L		
NO CEIL	1	19.0	23.1	24.0	25.1	26.7	26.4	27.3	29.1	29.2	29.2	29.2	29.2	29.3	29.6	29.6	30.5		
GE 20000	22.2	27.6	28.7	30.5	31.8	32.2	33.4	35.5	35.7	35.7	35.7	35.7	35.7	35.9	36.4	36.4	37.3		
GE 18000	22.4	27.8	29.0	30.8	32.0	32.4	33.7	35.7	35.9	35.9	35.9	35.9	35.9	36.1	36.6	36.6	37.5		
GE 16000	22.6	27.9	29.1	30.9	32.1	32.5	33.8	35.8	36.0	36.0	36.0	36.0	36.0	36.3	36.7	36.7	37.6		
GE 14000	23.1	28.5	29.6	31.4	32.7	33.1	34.3	36.5	36.7	36.7	36.7	36.7	36.7	36.9	37.4	37.4	38.3		
GE 12000	23.6	29.4	30.5	32.3	33.6	34.0	35.2	37.4	37.6	37.6	37.6	37.6	37.6	37.8	38.3	38.3	39.2		
GE 10000	24.4	30.6	31.9	33.7	34.9	35.5	36.7	38.8	39.1	39.1	39.1	39.1	39.1	39.3	39.7	39.7	40.6		
GE 9000	24.8	31.3	32.5	34.3	35.6	36.1	37.4	39.7	40.0	40.0	40.0	40.0	40.0	40.2	40.6	40.6	41.5		
GE 8000	25.0	31.5	32.8	34.6	35.8	36.4	37.6	40.0	40.2	40.2	40.2	40.2	40.2	40.4	40.9	40.9	41.8		
GE 7000	25.4	31.9	33.1	34.9	36.1	36.7	37.9	40.3	40.5	40.5	40.5	40.5	40.5	40.7	41.2	41.2	42.1		
GE 6000	25.9	32.7	33.9	35.7	36.9	37.6	38.8	41.2	41.4	41.4	41.4	41.4	41.4	41.6	42.1	42.1	43.0		
GE 5000	27.0	34.1	35.4	37.5	38.9	39.6	41.0	43.3	43.5	43.5	43.5	43.5	43.7	43.9	44.3	44.3	45.2		
GE 4500	27.4	34.6	35.8	37.9	39.4	40.1	41.5	44.0	44.2	44.2	44.2	44.3	44.4	44.8	45.2	45.3	46.4		
GE 4000	28.1	35.5	36.7	38.8	40.4	41.1	42.5	45.0	45.2	45.3	45.3	45.5	45.6	45.9	46.4	46.5	47.5		
GE 3500	28.7	36.3	37.5	39.8	41.4	42.1	43.7	46.1	46.4	46.4	46.5	46.6	46.7	47.0	47.5	47.6	48.6		
GE 3000	31.3	39.2	40.7	43.2	44.9	45.6	47.3	49.8	50.3	50.4	50.4	50.5	50.6	51.0	51.5	51.6	52.6		
GE 2500	32.7	41.2	42.8	45.6	47.3	47.9	49.6	52.2	52.6	52.7	52.9	53.0	53.3	53.9	54.0	55.0			
GE 2000	35.9	45.6	47.3	50.6	52.6	53.3	55.0	57.6	58.0	58.1	58.2	58.5	58.9	59.6	59.7	60.8			
GE 1800	37.6	48.0	49.8	53.4	55.4	56.1	57.8	60.4	60.9	61.1	61.2	61.4	61.8	62.5	62.6	63.7			
GE 1600	38.9	50.6	52.5	56.3	58.9	59.9	61.6	64.4	65.1	65.3	65.4	65.7	66.1	66.8	66.9	68.0			
GE 1400	41.3	55.1	57.5	61.7	64.9	65.9	67.6	70.6	71.4	71.6	71.7	71.9	72.5	73.2	73.3	74.4			
GE 1200	41.9	56.9	59.6	64.4	67.7	68.7	70.4	73.4	74.3	74.5	74.6	74.9	75.4	76.1	76.2	77.3			
GE 1000	42.4	58.2	61.3	66.2	69.6	70.6	72.3	75.4	76.3	76.5	76.7	76.9	77.4	78.1	78.2	79.3			
GE 900	42.5	58.7	62.0	67.2	70.9	71.9	73.6	77.2	78.1	78.5	78.6	78.8	79.3	80.0	80.1	81.3			
GE 800	42.8	59.6	63.1	68.7	72.4	73.5	75.3	79.1	80.0	80.5	80.6	80.8	81.4	82.0	82.2	83.3			
GE 700	43.0	60.4	64.2	69.9	73.6	75.0	77.0	80.8	81.9	82.5	82.6	82.8	83.4	84.2	84.3	85.4			
GE 600	43.1	60.7	64.8	70.7	74.6	76.0	78.1	82.0	83.4	84.1	84.2	84.4	85.0	85.7	85.9	87.0			
GE 500	43.1	61.3	65.7	71.8	76.0	77.3	79.6	83.7	85.1	86.0	86.1	86.3	86.9	87.7	87.8	88.9			
GE 400	43.1	61.8	66.2	72.7	77.2	78.7	81.3	85.6	87.2	88.1	88.2	88.4	89.0	90.0	90.1	91.2			
GE 300	43.1	61.8	66.2	72.8	77.4	79.6	82.5	87.5	89.2	90.3	90.6	91.1	91.7	92.7	92.8	94.1			
GE 200	43.1	61.8	66.2	72.8	77.7	79.9	83.2	88.8	90.7	92.5	92.7	93.3	93.9	95.1	95.3	96.9			
GE 100	43.1	61.8	66.2	72.8	77.7	79.9	83.2	88.8	90.7	92.5	92.7	93.3	93.9	95.1	95.3	96.9			
GE 0	43.1	61.8	66.2	72.8	77.7	79.9	83.2	88.8	90.7	92.5	92.7	93.3	93.9	95.1	95.3	96.9			

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VARIUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(EST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CLIL	21.4	24.6	25.9	26.9	27.4	28.6	29.1	30.0	30.1	30.6	31.4	31.2	31.3	31.5	31.5	31.8
GE 2000	24.2	28.6	29.8	30.9	31.9	33.1	33.7	35.1	35.3	35.8	35.8	36.3	36.4	36.8	36.8	37.1
GE 1800	24.2	28.6	29.8	30.9	31.9	33.2	33.9	35.2	35.4	35.9	35.9	36.4	36.6	36.9	36.9	37.2
GE 1600	24.4	28.8	30.0	31.2	32.2	33.4	34.1	35.4	35.7	36.1	36.1	36.7	36.9	37.1	37.1	37.5
GE 1400	25.0	29.4	30.6	31.7	32.7	34.0	34.6	36.0	36.2	36.7	36.7	37.2	37.3	37.8	37.8	38.1
GE 1200	25.9	30.6	31.8	33.0	34.0	35.3	36.0	37.3	37.6	38.0	38.0	38.6	38.7	39.1	39.1	39.6
GE 1000	27.4	32.2	33.4	34.5	35.5	36.9	37.6	39.0	39.3	39.7	39.7	40.3	40.4	40.8	40.8	41.4
GE 900	27.9	32.8	34.2	35.3	36.3	37.7	38.4	39.8	40.0	40.5	40.5	41.1	41.2	41.6	41.6	42.2
GE 800	28.1	33.3	34.6	35.8	36.4	38.1	38.8	40.3	40.6	41.2	41.2	41.7	41.8	42.3	42.3	42.9
GE 700	28.1	33.3	34.6	35.8	36.4	38.1	38.8	40.3	40.6	41.2	41.2	41.7	41.8	42.3	42.3	42.9
GE 600	28.6	33.7	35.1	36.2	37.2	38.6	39.3	40.7	41.1	41.6	41.6	42.2	42.3	42.7	42.7	43.1
GE 500	29.4	35.1	36.4	37.8	38.4	40.3	40.9	42.4	42.9	43.4	43.4	44.0	44.1	44.5	44.5	45.1
GE 450	30.3	36.1	37.7	39.5	40.6	42.2	42.9	44.4	45.1	45.8	45.8	46.3	46.5	46.9	47.0	47.8
GE 400	31.5	37.7	39.5	41.6	42.9	44.4	45.1	46.7	47.4	48.0	48.0	48.6	48.7	49.2	49.3	50.2
GE 350	32.2	38.6	40.4	42.7	44.2	45.8	46.5	48.0	49.0	49.7	49.7	50.3	50.4	50.8	51.0	51.9
GE 300	33.6	40.7	42.7	45.4	46.9	48.5	49.2	50.8	52.0	52.8	52.8	53.4	53.4	53.9	54.0	54.9
GE 250	35.7	43.6	45.9	49.0	51.0	52.6	53.3	55.1	56.2	57.0	57.0	57.6	57.8	58.3	58.4	59.3
GE 200	39.3	47.9	50.2	53.7	56.0	57.9	58.8	60.6	61.9	62.8	62.8	63.3	63.7	64.2	64.3	65.4
GE 180	40.5	49.3	51.5	55.0	57.6	59.5	60.4	62.4	63.7	64.7	64.7	65.2	65.6	66.1	66.3	67.2
GE 150	41.3	51.2	53.9	57.6	60.4	62.5	63.4	65.5	66.7	68.1	68.1	68.7	69.1	69.6	69.7	70.6
GE 120	43.2	55.8	58.7	63.4	66.7	69.4	69.4	71.5	72.8	74.2	74.2	74.4	74.9	75.3	75.8	76.6
GE 100	43.8	57.1	60.1	64.9	68.1	70.5	71.7	73.8	75.0	76.6	76.6	77.3	77.6	78.3	78.4	79.3
GE 90	44.3	58.4	61.3	66.5	70.1	72.7	73.8	75.9	77.2	78.7	78.7	79.4	79.8	80.4	80.5	81.4
GE 80	44.8	59.5	62.5	67.8	71.4	74.1	75.4	77.5	78.7	80.3	80.3	81.4	81.0	81.3	82.0	82.1
GE 70	44.9	60.1	63.2	68.6	72.2	75.0	76.4	78.7	80.0	81.7	81.7	82.3	82.7	83.5	83.6	84.5
GE 60	45.7	60.7	64.1	69.9	73.7	76.8	78.3	80.9	82.1	83.8	83.8	84.9	84.5	84.8	85.6	86.6
GE 50	45.6	61.3	64.7	70.9	74.8	77.8	79.3	81.9	83.1	84.8	84.8	85.5	85.8	86.8	87.0	87.9
GE 40	45.6	61.8	65.1	71.4	75.6	78.7	80.2	82.9	84.4	86.2	86.2	86.7	86.8	87.2	88.3	89.3
GE 30	45.6	62.2	65.6	72.3	76.7	80.2	81.8	84.7	86.4	88.4	88.4	88.5	89.1	89.4	90.6	91.6
GE 20	45.6	62.3	65.7	72.7	77.4	81.0	82.7	86.1	88.0	90.1	90.1	90.4	91.0	91.5	92.6	93.0
GE 10	45.6	62.3	65.7	72.7	77.4	81.1	82.9	86.7	89.1	91.7	91.7	92.1	92.8	93.3	94.4	95.3
GE 0	45.6	62.3	65.7	72.7	77.5	81.2	83.0	86.8	89.2	91.8	92.6	93.4	94.0	95.5	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 869

GETHAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 03760 STATION NAME: BOSCOMB DOWN DR

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS/EST: 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CELL	17.5	21.9	22.8	24.4	24.4	5.2	25.7	26.4	26.4	26.5	26.6	26.7	26.9	27.0	27.0	27.6
GE 10000	27.6	29.1	31.0	32.0	32.1	33.1	33.6	34.7	34.7	34.9	35.1	35.1	35.3	35.3	35.8	36.4
GE 16000	29.0	29.4	30.3	32.4	32.8	33.4	34.0	35.0	35.0	35.2	35.3	35.5	35.7	36.1	36.3	37.2
GE 16000	29.2	29.7	30.6	32.6	33.2	33.8	34.3	35.5	35.5	35.7	35.7	35.9	36.1	36.6	36.7	37.6
GE 16000	29.7	30.2	31.3	33.3	33.9	34.5	35.1	36.4	36.4	36.6	36.7	36.8	37.0	37.5	37.6	38.5
GE 12000	26.6	27.4	28.4	33.5	36.1	36.7	37.4	38.6	38.6	38.9	39.1	39.1	39.3	39.8	39.9	40.8
GE 10000	27.8	28.4	29.6	37.6	38.7	39.0	39.7	41.0	41.0	41.3	41.4	41.5	41.7	42.2	42.3	43.2
GE 9000	28.4	29.1	30.3	38.3	39.3	40.1	40.8	42.3	42.3	42.5	42.6	42.7	43.0	43.4	43.5	44.5
GE 8000	28.9	29.6	30.7	38.9	39.9	40.7	41.4	42.8	42.8	43.1	43.2	43.3	43.5	44.0	44.1	45.1
GE 7000	29.1	30.4	31.9	39.1	40.1	40.9	41.6	43.1	43.1	43.3	43.4	43.5	43.8	44.2	44.3	45.3
GE 6000	29.3	30.0	31.2	39.3	40.3	41.1	41.8	43.4	43.5	43.8	43.9	44.0	44.2	44.7	44.8	45.8
GE 5000	29.5	30.6	31.7	40.0	41.3	42.0	42.7	44.3	44.5	44.9	45.1	45.1	45.3	45.8	45.9	47.0
GE 4000	29.9	30.2	31.4	41.7	43.2	44.1	44.8	46.5	46.7	47.0	47.2	47.3	47.5	48.0	48.1	49.1
GE 3000	30.4	30.4	31.8	43.8	45.7	46.1	46.8	48.5	48.9	49.3	49.4	49.5	49.8	50.2	50.3	51.6
GE 2000	31.7	30.0	31.9	44.9	46.5	47.5	48.3	50.1	50.5	51.1	51.3	51.4	51.6	52.0	52.2	53.4
GE 1000	31.4	31.1	32.7	47.7	49.7	50.3	51.1	53.0	53.4	54.2	54.3	54.4	54.7	55.1	55.2	56.5
GE 2000	36.5	36.7	44.3	51.4	53.0	54.0	54.8	56.6	57.0	57.8	58.1	58.1	58.5	59.1	59.2	60.5
GE 1000	39.4	50.9	52.7	55.8	57.4	58.5	59.4	61.4	61.8	62.7	62.8	63.0	63.4	64.0	64.1	65.3
GE 1000	40.7	52.5	54.5	57.6	59.4	60.5	61.5	63.4	63.9	64.8	64.9	65.0	65.5	66.3	66.4	67.6
GE 1000	42.7	54.7	56.9	60.1	62.2	63.2	64.2	66.1	66.6	67.0	67.3	67.4	67.8	68.4	68.5	70.4
GE 1000	43.3	57.5	60.1	64.2	66.5	67.5	68.5	70.7	71.1	72.5	72.6	72.7	73.2	74.0	74.1	75.3
GE 1000	44.3	59.5	62.3	66.6	69.7	70.5	71.7	73.6	74.1	75.6	75.7	75.8	76.3	77.0	77.2	78.5
GE 900	44.4	60.0	63.0	67.7	70.7	71.5	72.6	75.0	75.6	77.0	77.2	77.3	77.7	78.5	78.6	80.1
GE 800	44.9	60.7	63.9	69.2	73.4	73.2	74.4	76.8	77.6	79.1	79.2	79.3	79.8	80.6	80.7	82.1
GE 700	45.1	61.4	65.1	70.9	73.7	75.1	76.6	79.1	79.9	81.5	81.6	81.7	82.2	83.0	83.1	84.4
GE 600	45.1	62.3	65.4	71.8	74.6	76.3	77.8	80.5	81.4	83.2	83.3	83.5	84.0	84.9	85.0	86.4
GE 500	45.3	62.7	66.4	72.7	75.4	77.5	79.2	81.8	82.7	84.5	84.7	84.9	85.3	86.3	86.4	87.7
GE 400	45.5	63.0	66.4	73.5	76.9	78.6	80.3	83.4	84.4	86.4	86.7	86.9	87.4	88.4	88.6	90.0
GE 300	45.5	63.0	66.4	73.6	77.5	79.2	81.1	84.4	85.7	87.8	87.9	88.0	88.6	89.2	90.5	91.4
GE 200	45.5	63.1	67.0	73.9	78.6	79.8	82.0	85.7	87.2	89.5	90.0	90.5	91.0	92.0	92.3	93.6
GE 100	45.5	63.1	67.0	73.9	78.6	79.4	82.0	86.1	88.2	90.7	91.1	91.7	92.4	93.5	94.1	95.9
GE 01	45.5	63.1	67.0	73.9	78.7	79.8	82.0	86.3	88.3	90.4	91.4	91.6	92.7	94.4	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 880

GLOBAL CLIMATOLOGY BRANCH  
USAF/ATC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	3	5	7	10	15	20	25	30	40	50	60	70	80	90	100
NO CEIL	16.5	21.6	22.5	23.6	24.7	24.5	24.5	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 10000	23.6	30.5	31.6	33.3	33.7	34.3	34.3	34.9	35.0	35.1	35.2	35.2	35.2	35.6	35.6	35.6
GE 18000	23.6	30.7	31.4	33.5	34.1	34.7	34.7	35.2	35.3	35.4	35.4	35.4	35.6	35.6	35.9	35.9
GE 16700	23.6	30.7	31.8	33.5	34.1	34.7	34.7	35.2	35.3	35.4	35.4	35.4	35.6	35.6	35.9	35.9
GE 14000	24.2	31.2	32.3	34.0	34.5	35.1	35.1	36.0	36.1	36.2	36.3	36.3	36.3	36.7	36.7	36.7
GE 12000	24.8	32.3	32.4	35.1	35.4	36.5	36.5	37.4	37.5	37.6	37.7	37.7	37.7	38.0	38.0	38.0
GE 10000	26.1	33.9	35.0	36.8	37.5	38.1	38.1	39.2	39.3	39.4	39.5	39.5	39.5	39.8	39.8	39.8
GE 9000	26.9	34.4	36.0	38.0	38.7	39.4	39.4	40.5	40.6	40.7	40.9	40.9	40.9	41.2	41.2	41.2
GE 8000	27.0	35.1	36.2	38.4	39.1	39.7	39.7	40.9	41.0	41.1	41.2	41.2	41.2	41.5	41.5	41.5
GE 7000	27.0	35.1	36.2	38.4	39.1	39.7	39.7	40.9	41.0	41.1	41.2	41.2	41.2	41.5	41.5	41.5
GE 6000	27.1	35.3	36.6	38.9	39.7	40.4	40.4	41.8	41.9	42.0	42.1	42.1	42.1	42.4	42.4	42.4
GE 5000	27.9	36.6	37.9	40.4	41.2	41.9	42.0	43.3	43.5	43.6	43.7	43.7	43.7	44.0	44.0	44.0
GE 4500	28.8	38.3	39.6	42.4	43.5	44.1	44.2	46.0	46.2	46.5	46.7	46.7	46.7	47.1	47.1	47.1
GE 4000	30.0	39.7	41.1	44.1	45.3	46.0	46.2	48.3	48.8	49.2	49.4	49.4	49.4	49.8	49.8	49.8
GE 3000	30.6	40.5	41.9	45.1	46.3	47.1	47.2	49.3	49.9	50.3	50.6	50.6	50.6	50.9	50.9	50.9
GE 2000	32.4	43.1	44.7	48.1	49.7	50.1	50.2	52.5	53.2	53.7	54.0	54.0	54.0	54.4	54.4	54.4
GE 1500	35.0	45.8	47.5	50.9	52.3	53.0	53.2	55.5	56.3	56.9	57.1	57.1	57.1	57.6	57.6	57.6
GE 1000	39.3	51.0	52.9	56.3	57.7	58.7	58.8	61.2	62.0	62.5	62.9	62.9	62.9	63.3	63.3	63.3
GE 800	40.5	52.6	54.7	58.2	59.7	60.8	60.9	63.4	64.2	64.8	65.1	65.1	65.1	65.6	65.6	65.6
GE 600	42.9	55.8	57.9	61.5	63.0	64.2	64.4	67.2	68.1	68.6	69.0	69.0	69.0	69.4	69.4	69.4
GE 400	46.0	60.4	63.5	67.9	70.6	71.2	71.6	74.3	75.2	75.7	76.2	76.2	76.2	76.6	76.6	76.6
GE 300	47.6	61.9	67.1	71.9	74.0	75.4	76.1	79.0	79.9	80.5	80.9	80.9	80.9	81.4	81.4	81.4
GE 200	47.7	64.4	67.7	72.7	75.1	76.5	77.2	80.1	81.2	81.7	82.2	82.2	82.2	82.6	82.6	82.6
GE 100	48.1	65.2	68.7	73.8	76.4	77.9	78.6	81.5	82.5	83.1	83.5	83.5	83.5	84.0	84.0	84.0
GE 50	48.2	65.6	69.4	75.2	77.4	79.2	79.9	83.0	84.0	84.8	85.2	85.3	85.3	85.8	85.8	85.8
GE 20	48.3	66.7	70.4	76.4	79.7	80.8	81.5	84.9	86.0	86.9	87.4	87.5	87.5	87.9	87.9	87.9
GE 10	48.4	66.8	70.4	77.2	80.1	81.9	82.6	86.1	87.2	88.1	88.6	88.7	88.7	89.2	89.2	89.2
GE 5	48.5	67.4	71.3	78.6	82.1	84.2	84.9	88.7	90.1	91.0	91.4	91.9	91.9	92.3	92.3	92.3
GE 2	48.5	67.4	71.6	79.3	83.1	85.6	86.7	90.5	92.1	93.1	93.9	94.1	94.1	94.7	94.7	94.7
GE 1	48.5	67.4	71.6	79.3	83.3	85.9	87.2	91.1	92.4	93.9	94.9	95.0	95.3	95.8	95.8	95.8
GE 0	48.5	67.4	71.6	79.5	83.5	86.1	87.5	91.5	93.3	94.9	96.3	96.5	96.5	97.2	97.4	98.1
GE 0	48.5	67.4	71.6	79.5	83.5	86.1	87.5	91.5	93.3	95.0	96.5	96.7	96.8	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 486



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	FEET	1	67	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		1	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	1	20.6	24.9	25.3	26.5	27.2	27.8	28.0	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
GE	20000	26.3	32.8	33.6	35.1	36.1	36.8	37.2	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE	18000	26.5	33.0	33.7	35.2	36.2	36.9	37.3	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE	16000	26.6	33.1	33.9	35.3	36.3	37.0	37.4	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE	14000	27.2	33.9	34.6	36.1	37.1	37.8	38.2	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE	12000	28.1	35.3	36.1	37.6	38.6	39.3	39.8	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE	10000	29.3	36.9	37.7	39.2	40.4	41.1	41.6	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE	9000	30.0	37.7	38.5	40.4	41.5	42.3	42.7	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE	8000	30.2	37.8	38.6	40.5	41.6	42.4	42.8	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE	7000	30.4	38.0	38.8	40.7	41.8	42.6	43.0	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE	6000	30.5	38.2	39.0	40.9	42.0	42.8	43.3	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE	5000	31.5	39.5	40.4	42.6	43.7	44.5	45.1	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE	4500	32.1	40.4	41.3	43.8	45.0	45.9	46.4	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE	4000	33.1	41.9	42.8	45.4	46.6	47.5	48.2	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE	3500	33.6	42.6	43.5	46.2	47.4	48.4	49.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE	3000	35.9	45.1	46.1	49.2	50.4	51.5	52.1	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE	2500	38.6	49.0	50.2	53.8	55.0	56.4	57.2	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE	2000	41.4	53.4	54.6	59.1	60.3	61.7	62.4	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE	1800	42.6	55.0	56.1	61.2	62.4	64.0	64.8	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE	1600	44.6	58.1	60.3	64.8	66.6	67.9	68.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE	1400	46.7	61.9	64.8	69.8	72.7	73.5	74.6	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE	1200	48.0	64.0	67.2	73.0	75.8	77.1	78.1	80.3	80.3	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE	900	48.3	65.4	68.8	74.8	77.7	79.1	80.3	82.4	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE	800	48.5	66.3	69.7	75.9	78.4	80.3	81.4	83.6	83.6	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE	700	48.9	67.5	71.1	77.6	80.6	82.2	83.3	85.7	85.7	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE	600	49.1	68.4	72.0	78.7	81.7	83.3	84.8	87.3	87.3	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE	500	49.1	68.6	72.4	79.3	83.2	85.1	86.5	89.2	89.2	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE	400	49.2	68.8	72.9	79.8	83.7	85.9	87.7	90.7	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE	300	49.3	68.9	73.0	80.2	84.8	87.4	89.2	92.6	93.6	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE	200	49.3	68.9	73.0	80.4	85.1	87.9	89.8	93.5	94.5	95.3	95.7	95.9	96.1	96.3	96.3	96.3	96.3
GE	100	49.3	68.9	73.0	80.5	85.2	88.1	90.0	93.8	95.0	96.1	96.6	96.9	97.3	97.6	97.6	97.6	97.8
GE	0	49.3	68.9	73.0	80.5	85.2	88.1	90.0	93.8	95.0	96.1	96.6	96.9	97.6	98.5	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 992

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
1	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460
NO CEIL	19.2	24.3	25.3	26.9	28.6	29.3	30.2	30.7	30.8	31.1	31.1	31.1	31.1	31.2	31.2	31.2
GE 20000	23.4	30.7	32.0	34.0	36.0	36.7	37.6	38.3	38.5	38.7	38.7	38.7	38.7	38.7	38.8	38.8
GE 18000	23.4	30.7	32.0	34.0	36.0	36.7	37.6	38.3	38.5	38.7	38.7	38.7	38.7	38.7	38.8	38.8
GE 16000	23.4	30.7	32.0	34.0	36.0	36.7	37.6	38.3	38.5	38.7	38.7	38.7	38.7	38.7	38.8	38.8
GE 14000	24.1	31.4	32.7	34.9	36.9	37.6	38.5	39.2	39.3	39.6	39.6	39.6	39.6	39.7	39.7	39.7
GE 12000	25.0	33.2	34.8	37.0	39.0	39.7	40.6	41.4	41.5	41.7	41.7	41.7	41.7	41.8	41.8	41.8
GE 10000	26.7	35.4	37.0	39.2	41.3	41.9	43.0	43.9	44.1	44.3	44.3	44.3	44.3	44.4	44.4	44.4
GE 9000	27.1	36.0	37.6	39.8	41.8	42.5	43.6	44.5	44.6	44.8	44.8	44.8	44.8	45.0	45.0	45.0
GE 8000	27.2	36.1	37.7	39.9	41.9	42.6	43.7	44.6	44.7	45.0	45.0	45.0	45.0	45.1	45.1	45.1
GE 7000	27.2	36.1	37.7	39.9	41.9	42.6	43.7	44.6	44.7	45.0	45.0	45.0	45.0	45.1	45.1	45.1
GE 6000	27.2	36.2	37.8	40.0	42.0	42.7	43.8	44.7	44.8	45.1	45.1	45.1	45.1	45.2	45.2	45.2
GE 5000	28.5	37.6	39.3	41.6	43.6	44.3	45.4	46.5	46.6	47.1	47.1	47.1	47.1	47.2	47.2	47.2
GE 4500	28.6	37.8	39.6	41.8	44.1	45.0	46.1	47.4	47.5	48.0	48.0	48.0	48.0	48.1	48.1	48.1
GE 4000	29.0	38.5	40.4	42.6	44.8	45.9	47.0	48.4	48.5	49.0	49.0	49.0	49.0	49.1	49.1	49.1
GE 3500	30.2	40.0	41.9	44.3	46.5	47.5	48.7	50.1	50.2	50.7	50.7	50.7	50.7	50.8	50.9	50.9
GE 3000	31.4	42.9	44.6	47.8	50.1	51.1	52.2	53.7	53.8	54.3	54.3	54.3	54.3	54.4	54.5	54.5
GE 2500	34.7	45.6	48.0	51.3	53.7	54.9	56.4	57.8	58.0	58.4	58.4	58.4	58.4	58.5	58.6	58.6
GE 2000	36.2	48.5	51.2	55.4	58.0	59.4	61.0	62.4	62.6	63.0	63.0	63.0	63.0	63.1	63.2	63.2
GE 1800	37.8	50.6	53.3	57.8	60.5	62.0	63.6	65.0	65.1	65.6	65.6	65.6	65.6	65.7	65.8	65.8
GE 1600	39.1	52.1	55.3	60.8	63.7	65.2	66.8	68.3	68.5	68.9	68.9	68.9	68.9	69.1	69.2	69.2
GE 1400	41.6	56.7	60.1	66.5	70.1	71.9	73.4	75.2	75.7	76.1	76.1	76.1	76.1	76.2	76.3	76.3
GE 1200	42.3	57.7	61.3	68.5	72.2	74.2	76.0	78.1	78.6	79.1	79.1	79.1	79.1	79.3	79.4	79.4
GE 1000	42.5	58.2	62.0	69.3	73.2	75.3	77.2	79.6	80.0	80.6	80.6	80.6	80.6	80.7	80.8	80.8
GE 900	42.6	58.7	62.8	70.2	74.1	76.3	78.4	81.2	81.6	82.2	82.3	82.3	82.3	82.4	82.5	82.5
GE 800	43.2	60.0	64.1	72.1	76.0	78.9	81.1	84.2	84.6	85.2	85.3	85.3	85.3	85.4	85.5	85.5
GE 700	43.4	61.2	65.5	73.5	77.5	80.4	82.5	86.1	86.5	87.2	87.3	87.3	87.3	87.4	87.6	87.6
GE 600	43.7	61.8	66.1	74.4	78.5	81.6	83.7	87.6	88.1	88.8	88.9	88.9	88.9	89.0	89.1	89.1
GE 500	43.9	62.4	66.4	75.7	79.9	83.2	85.5	89.6	90.4	91.0	91.1	91.3	91.3	91.4	91.5	91.5
GE 400	44.1	62.8	67.3	76.5	80.9	84.2	86.9	91.3	92.2	93.0	93.2	93.3	93.3	93.4	93.5	93.5
GE 300	44.1	62.8	67.3	76.5	81.2	84.9	87.6	92.6	93.4	95.2	95.4	95.5	95.5	95.6	95.7	95.7
GE 200	44.1	62.8	67.3	76.5	81.2	85.1	87.8	93.2	94.6	96.4	96.4	96.9	97.0	97.3	97.5	97.5
GE 100	44.1	62.8	67.3	76.5	81.2	85.1	87.8	93.2	94.6	96.4	96.4	96.9	97.0	97.3	97.5	97.5
GE 0	44.1	62.8	67.3	76.5	81.2	85.1	87.8	93.2	94.6	96.4	96.4	96.9	97.0	97.3	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 90	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CELL	18.6	23.8	25.4	27.8	28.7	29.4	29.9	30.3	30.4	30.5	30.8	30.8	30.8	31.5	31.8	31.9
GE 20000	22.4	29.5	31.1	34.0	35.1	35.9	36.5	36.8	36.9	37.1	37.4	37.4	37.4	38.1	38.3	38.4
GE 18000	22.5	29.6	31.2	34.1	35.3	36.0	36.6	36.9	37.1	37.2	37.5	37.5	37.5	38.2	38.4	38.5
GE 16000	22.5	29.6	31.2	34.1	35.3	36.0	36.6	36.9	37.1	37.2	37.5	37.5	37.5	38.2	38.4	38.5
GE 14000	22.6	29.9	31.5	34.5	35.6	36.4	36.9	37.3	37.4	37.5	37.9	37.9	37.9	38.5	38.8	38.9
GE 12000	22.9	30.6	32.2	35.4	36.5	37.3	37.9	38.2	38.3	38.4	38.8	38.8	38.8	39.4	39.7	39.8
GE 10000	23.8	32.5	34.1	37.5	38.9	40.0	40.6	40.9	41.0	41.1	41.5	41.5	41.5	42.1	42.4	42.5
GE 9000	24.2	33.0	34.6	38.2	39.7	40.8	41.4	41.7	41.9	42.0	42.4	42.4	42.4	43.1	43.3	43.4
GE 8000	24.2	33.0	34.6	38.2	39.7	40.8	41.4	41.7	41.9	42.0	42.4	42.4	42.4	43.1	43.3	43.4
GE 7000	24.4	33.2	34.8	38.4	39.9	41.0	41.6	41.9	42.1	42.3	42.6	42.6	42.6	43.3	43.5	43.6
GE 6000	24.5	33.4	35.0	38.8	40.2	41.4	41.9	42.3	42.6	42.7	43.1	43.1	43.1	43.7	44.0	44.1
GE 5000	25.3	34.5	36.2	40.1	41.8	42.9	43.6	44.1	44.4	44.5	44.9	45.0	45.0	45.6	45.9	46.0
GE 4500	25.8	35.1	36.7	41.0	42.7	43.8	44.6	45.3	45.6	45.8	46.1	46.2	46.2	46.9	47.1	47.2
GE 4000	26.2	35.9	37.7	41.8	43.5	44.7	45.5	46.2	46.6	46.7	47.0	47.1	47.1	47.8	48.0	48.1
GE 3500	27.0	37.1	38.9	42.9	44.6	45.9	46.7	47.3	47.8	48.0	48.4	48.5	48.5	49.2	49.4	49.5
GE 3000	28.5	39.5	41.4	45.9	47.6	48.8	49.6	50.4	51.0	51.2	51.5	51.6	51.6	52.3	52.5	52.7
GE 2500	30.3	42.7	44.6	49.6	51.5	52.8	53.6	54.4	54.9	55.1	55.5	55.6	55.6	56.3	56.5	56.6
GE 2000	33.6	47.0	49.9	55.4	57.7	59.2	60.2	61.1	61.7	62.0	62.4	62.5	62.5	63.2	63.4	63.5
GE 1800	34.5	48.2	51.2	56.6	59.1	60.6	61.6	62.5	63.1	63.4	63.8	64.0	64.0	64.6	64.9	65.0
GE 1500	36.7	51.2	54.4	60.5	63.2	64.6	65.6	66.7	67.2	67.7	68.1	68.2	68.2	68.9	69.2	69.3
GE 1200	34.3	54.0	57.3	64.5	67.6	69.2	70.3	72.0	72.7	73.1	73.6	73.7	73.7	74.4	74.6	74.7
GE 1000	38.9	55.8	59.4	67.3	70.5	72.2	73.3	75.4	76.0	76.6	77.1	77.2	77.2	77.9	78.1	78.2
GE 900	39.1	56.6	60.5	68.6	71.9	73.8	75.3	77.4	78.2	78.8	79.2	79.3	79.3	80.0	80.2	80.3
GE 800	39.2	57.6	61.7	69.9	73.3	75.6	77.1	79.2	80.0	80.7	81.1	81.2	81.2	81.9	82.1	82.3
GE 700	39.2	58.2	62.5	71.0	74.6	77.3	79.8	81.1	82.0	82.7	83.2	83.3	83.3	84.0	84.3	84.4
GE 600	39.2	58.6	63.2	71.6	75.3	78.1	79.7	82.1	83.1	83.7	84.2	84.3	84.3	85.0	85.3	85.4
GE 500	39.2	59.1	63.8	72.7	76.4	79.2	81.1	84.0	85.0	85.8	86.2	86.3	86.3	87.0	87.3	87.5
GE 400	39.5	59.5	64.5	73.4	77.3	80.3	82.5	85.8	87.0	87.9	88.4	88.5	88.5	89.2	89.5	89.6
GE 300	39.4	60.1	65.1	74.2	78.1	81.5	83.6	87.5	88.7	89.8	90.3	90.4	90.4	91.1	91.4	91.5
GE 200	39.9	60.2	65.3	74.7	78.9	82.5	85.1	89.6	91.0	92.2	92.7	92.8	93.0	93.7	94.0	94.1
GE 100	40.0	60.3	65.4	74.8	79.0	82.7	85.5	90.8	92.7	94.0	94.7	94.8	95.1	95.8	96.3	96.4
GE 0	40.0	60.3	65.4	74.8	79.0	82.7	85.5	91.1	92.9	94.4	95.0	95.1	95.5	96.5	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 885

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.9	23.4	24.3	25.9	26.8	27.3	27.9	28.6	28.7	28.8	28.9	28.9	29.0	29.2	29.2	29.6
GE 20000	23.5	29.6	30.7	32.7	33.7	34.5	35.1	36.1	36.3	36.4	36.5	36.6	36.6	37.0	37.0	37.4
GE 18000	23.7	29.8	30.9	32.8	33.9	34.6	35.3	36.3	36.4	36.6	36.7	36.8	36.8	37.2	37.2	37.6
GE 16000	23.8	29.9	30.9	32.9	34.0	34.7	35.4	36.4	36.6	36.7	36.8	36.9	36.9	37.3	37.3	37.7
GE 14000	24.2	30.4	31.5	33.5	34.6	35.3	36.0	37.1	37.2	37.4	37.4	37.5	37.6	37.9	38.0	38.3
GE 12000	25.1	31.7	32.8	34.8	35.9	36.7	37.4	38.5	38.6	38.8	38.9	39.0	39.0	39.4	39.4	39.8
GE 10000	26.2	33.4	34.6	36.7	37.8	38.7	39.4	40.5	40.7	40.9	40.9	41.0	41.1	41.4	41.5	41.9
GE 9000	26.8	34.1	35.3	37.5	38.7	39.6	40.3	41.5	41.6	41.8	41.9	42.0	42.0	42.4	42.4	42.8
GE 8000	27.0	34.3	35.5	37.8	39.0	39.9	40.6	41.8	42.0	42.1	42.2	42.3	42.4	42.7	42.7	43.1
GE 7000	27.1	34.5	35.7	37.9	39.2	40.1	40.8	41.9	42.1	42.3	42.4	42.5	42.5	42.9	42.9	43.3
GE 6000	27.4	34.9	36.1	38.4	39.7	40.6	41.4	42.6	42.8	43.0	43.0	43.1	43.2	43.5	43.6	44.0
GE 5000	28.2	36.1	37.4	39.9	41.3	42.2	43.0	44.3	44.5	44.7	44.8	44.9	45.0	45.3	45.4	45.8
GE 4500	28.8	37.0	38.4	41.1	42.6	43.6	44.4	45.8	46.1	46.4	46.5	46.6	46.7	47.0	47.1	47.5
GE 4000	29.7	38.1	39.6	42.4	44.0	45.0	45.9	47.4	47.7	48.0	48.1	48.3	48.3	48.7	48.8	49.2
GE 3500	30.4	39.2	40.6	43.6	45.2	46.3	47.2	48.7	49.1	49.4	49.5	49.7	49.8	50.1	50.2	50.7
GE 3000	32.5	41.8	43.5	46.8	48.4	49.5	50.4	52.0	52.5	52.9	53.0	53.1	53.2	53.6	53.6	54.1
GE 2500	34.8	44.9	46.7	50.3	52.0	53.2	54.1	55.8	56.3	56.7	56.8	57.0	57.1	57.5	57.6	58.1
GE 2000	37.9	49.1	51.2	55.2	57.2	58.4	59.5	61.3	61.8	62.3	62.4	62.6	62.7	63.2	63.2	63.7
GE 1800	39.2	50.7	53.0	57.1	59.2	60.5	61.6	63.4	64.0	64.5	64.6	64.8	64.9	65.4	65.5	66.0
GE 1500	40.8	53.1	55.6	60.1	62.5	63.9	65.0	66.9	67.6	68.2	68.3	68.5	68.7	69.1	69.2	69.7
GE 1200	42.8	57.0	59.9	65.2	68.0	69.5	70.7	72.9	73.6	74.2	74.4	74.5	74.7	75.2	75.3	75.8
GE 1000	43.6	58.9	62.0	67.8	70.8	72.4	73.7	76.1	76.9	77.5	77.7	77.9	78.1	78.5	78.6	79.1
GE 900	43.9	59.7	63.0	69.1	72.3	73.9	75.3	77.8	78.6	79.3	79.5	79.6	79.8	80.3	80.4	80.9
GE 800	44.2	60.5	64.0	70.2	73.5	75.3	76.7	79.3	80.2	80.9	81.1	81.3	81.5	81.9	82.0	82.5
GE 700	44.4	61.4	65.0	71.7	75.0	77.0	78.5	81.3	82.2	83.0	83.2	83.4	83.6	84.1	84.2	84.7
GE 600	44.6	62.2	66.0	72.9	76.3	78.4	80.0	83.1	84.1	85.0	85.2	85.3	85.5	86.1	86.1	86.7
GE 500	44.7	62.6	66.6	73.7	77.4	79.6	81.4	84.6	85.7	86.6	86.8	87.0	87.2	87.7	87.8	88.3
GE 400	44.9	63.0	67.2	74.6	78.5	80.9	82.8	86.3	87.5	88.5	88.8	89.0	89.2	89.8	89.9	90.4
GE 300	44.9	63.3	67.6	75.3	79.5	82.1	84.2	88.0	89.4	90.6	90.9	91.1	91.3	92.0	92.1	92.6
GE 200	44.9	63.4	67.6	75.5	80.0	82.9	85.2	89.5	91.1	92.5	92.9	93.2	93.5	94.2	94.3	94.9
GE 100	45.0	63.4	67.7	75.6	80.1	83.1	85.5	90.2	92.1	93.9	94.5	94.8	95.2	95.9	96.1	97.0
GE 0	45.0	63.4	67.7	75.6	80.1	83.1	85.5	90.3	92.2	94.1	94.8	95.1	95.7	96.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 7095

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	3.6	15.4	17.4	19.7	22.2	23.8	24.8	27.3	28.3	28.7	29.1	29.4	30.0	30.3	30.4	31.2
GE 20000	11.2	19.1	21.6	24.1	26.9	28.5	29.5	32.8	34.0	34.3	34.7	35.1	35.7	35.9	36.0	37.0
GE 18000	11.2	19.1	21.6	24.1	26.8	28.5	29.5	32.8	34.0	34.3	34.7	35.1	35.7	35.9	36.0	37.0
GE 16000	11.2	19.1	21.7	24.2	26.7	28.6	29.7	32.9	34.1	34.5	34.8	35.2	35.8	36.0	36.1	37.1
GE 14000	11.2	19.1	21.7	24.2	26.7	28.6	29.7	32.9	34.1	34.5	34.8	35.2	35.8	36.0	36.1	37.1
GE 12000	11.2	19.2	22.0	24.5	27.3	28.9	30.0	33.3	34.5	34.8	35.2	35.5	36.1	36.4	36.5	37.5
GE 10000	11.5	19.8	22.6	25.3	28.5	30.1	31.2	34.5	35.7	36.1	36.5	36.9	37.5	37.7	37.8	38.8
GE 9000	12.0	20.8	23.5	26.5	29.7	31.3	32.4	35.7	36.9	37.5	37.8	38.2	38.8	39.0	39.1	40.1
GE 8000	12.1	21.1	23.9	26.9	30.0	31.7	32.8	36.0	37.2	37.8	38.2	38.5	39.1	39.4	39.5	40.5
GE 7000	12.1	21.2	24.0	27.0	30.1	31.8	32.9	36.1	37.3	37.9	38.3	38.7	39.3	39.5	39.6	40.6
GE 6000	12.2	21.5	24.5	27.6	30.7	32.5	33.6	36.9	38.1	38.7	39.1	39.5	40.1	40.3	40.5	41.4
GE 5000	12.8	22.2	25.2	28.5	31.7	33.6	34.7	38.1	39.3	39.9	40.3	40.7	41.3	41.5	41.7	42.6
GE 4500	13.2	23.2	26.2	29.4	32.7	34.6	35.8	39.1	40.3	40.9	41.4	41.8	42.4	42.6	42.7	43.7
GE 4000	13.2	23.4	26.7	30.0	33.5	35.4	36.9	40.2	41.5	42.1	42.6	43.0	43.6	43.8	43.9	44.9
GE 3500	13.7	24.4	27.9	31.6	35.1	37.0	38.4	41.8	43.2	43.8	44.3	44.7	45.3	45.5	45.6	46.6
GE 3000	14.3	25.9	29.5	34.1	37.9	39.9	41.3	45.3	46.8	47.4	47.9	48.3	48.9	49.1	49.2	50.2
GE 2500	15.7	28.9	32.5	37.5	41.8	43.8	45.4	49.3	50.9	51.5	52.0	52.3	52.9	53.2	53.3	54.3
GE 2000	17.8	32.1	35.7	41.1	45.5	47.7	49.2	53.2	54.7	55.5	55.9	56.3	56.9	57.1	57.3	58.2
GE 1800	18.4	33.0	36.6	42.0	46.5	48.6	50.2	54.4	55.9	56.8	57.3	57.6	58.2	58.5	58.6	59.5
GE 1500	20.3	35.8	37.5	45.0	49.9	52.2	53.9	58.3	60.1	61.1	61.6	61.9	62.5	62.8	62.9	63.9
GE 1200	21.4	38.4	42.3	48.6	54.1	57.0	59.2	63.9	65.8	66.9	67.5	67.8	68.4	68.7	68.8	69.7
GE 1000	22.0	40.0	43.8	50.9	56.8	59.8	62.1	67.0	68.9	70.0	70.6	70.9	71.5	71.8	71.9	72.9
GE 900	22.3	40.9	44.8	52.0	57.7	61.0	63.3	68.2	70.2	71.3	71.9	72.3	72.9	73.1	73.2	74.2
GE 800	22.7	42.1	46.2	53.5	59.9	63.3	65.7	70.9	73.1	74.2	74.8	75.2	75.8	76.0	76.1	77.1
GE 700	22.9	42.7	46.8	54.7	61.5	65.1	67.5	72.7	74.9	76.0	76.6	77.0	77.6	77.9	78.0	79.0
GE 600	23.3	43.7	48.1	56.3	63.0	67.6	70.2	75.6	77.8	78.9	79.5	79.8	80.4	80.8	80.9	81.9
GE 500	23.8	44.7	49.1	57.6	65.2	69.7	72.5	78.2	80.4	81.5	82.1	82.5	83.1	83.4	83.6	84.5
GE 400	23.9	45.3	49.9	58.8	67.1	71.9	74.9	80.7	83.1	84.3	85.0	85.4	86.0	86.3	86.4	87.4
GE 300	24.0	45.6	50.3	59.5	67.9	72.7	76.1	82.7	85.2	86.7	87.4	87.8	88.4	88.7	88.8	89.8
GE 200	24.0	45.7	50.7	60.0	68.8	73.6	77.1	83.9	86.8	88.8	89.6	89.9	90.5	91.1	91.2	92.2
GE 100	24.0	45.7	50.7	60.0	68.8	73.6	77.3	84.6	87.8	90.3	91.4	91.7	92.6	93.4	93.6	95.3
GE 0	24.0	45.7	50.7	60.0	68.8	73.6	77.3	84.6	87.8	90.4	91.8	92.3	93.4	94.5	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 833

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 90	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	9.3	16.2	17.8	19.3	21.8	24.3	25.4	27.2	28.5	28.7	28.7	29.0	29.1	29.2	29.2	30.5
GE 20000	11.5	19.4	21.2	23.0	26.0	29.0	30.1	32.2	33.5	33.8	33.8	34.0	34.1	34.4	34.4	35.8
GE 18000	11.5	19.4	21.2	23.0	26.0	29.0	30.1	32.2	33.5	33.8	33.8	34.0	34.1	34.4	34.4	35.8
GE 16000	11.5	19.4	21.2	23.0	26.0	29.0	30.1	32.2	33.5	33.8	33.8	34.0	34.1	34.4	34.4	35.8
GE 14000	11.5	19.4	21.2	23.0	26.1	29.1	30.2	32.3	33.7	33.9	33.9	34.1	34.3	34.5	34.5	35.9
GE 12000	11.6	19.5	21.4	23.2	26.6	29.6	30.7	32.9	34.3	34.5	34.5	34.7	34.9	35.1	35.1	36.5
GE 10000	11.9	19.9	21.9	23.7	27.2	30.3	31.4	34.0	35.3	35.6	35.6	35.8	35.9	36.2	36.2	37.6
GE 9000	12.0	20.0	22.2	24.0	27.4	30.5	31.6	34.3	35.6	35.9	35.9	36.2	36.3	36.5	36.5	38.0
GE 8000	12.2	20.4	22.5	24.3	27.8	30.9	32.0	34.7	36.0	36.4	36.4	36.6	36.8	37.0	37.0	38.4
GE 7000	12.3	20.5	22.6	24.4	27.9	31.0	32.1	34.9	36.2	36.5	36.5	36.8	36.9	37.1	37.1	38.6
GE 6000	12.5	20.6	22.9	25.0	28.5	31.6	32.7	35.4	36.8	37.1	37.1	37.4	37.5	37.7	37.7	39.2
GE 5000	12.6	20.8	23.2	25.5	29.0	32.1	33.3	36.0	37.4	37.7	37.7	38.1	38.2	38.6	38.6	40.0
GE 4500	13.1	21.4	23.8	26.1	29.6	32.7	33.9	36.6	38.0	38.3	38.3	38.7	38.8	39.2	39.2	40.6
GE 4000	13.5	21.9	24.3	26.8	30.4	33.5	34.7	37.6	38.9	39.3	39.3	39.6	39.8	40.1	40.1	41.6
GE 3500	14.0	22.8	25.1	27.7	31.4	34.5	35.7	38.6	39.9	40.2	40.2	40.6	40.7	41.1	41.1	42.6
GE 3000	15.6	24.8	27.2	30.2	33.9	37.4	38.8	41.7	43.5	43.8	43.8	44.2	44.3	44.7	44.7	46.2
GE 2500	17.1	28.3	30.7	34.4	38.3	42.0	43.5	46.5	48.4	48.7	48.7	49.1	49.2	49.6	49.6	51.1
GE 2000	19.5	31.1	33.5	37.6	41.8	45.6	47.3	50.5	52.5	52.8	52.8	53.2	53.3	53.7	53.7	55.2
GE 1800	20.4	32.3	34.7	39.0	43.2	47.1	48.7	52.0	54.1	54.7	54.7	55.1	55.2	55.6	55.6	57.1
GE 1500	21.4	34.1	36.8	41.4	45.9	49.8	52.1	55.6	57.7	58.3	58.3	58.7	58.8	59.2	59.2	60.7
GE 1200	22.2	36.3	39.0	44.2	48.9	52.9	55.6	59.5	61.8	62.4	62.4	62.8	62.9	63.2	63.2	64.8
GE 1000	23.2	38.2	41.2	47.2	52.5	57.0	59.9	64.2	66.6	67.2	67.2	67.5	67.7	68.0	68.0	69.6
GE 900	23.5	39.0	42.3	48.5	53.9	58.4	61.3	65.6	68.0	68.6	68.6	69.0	69.1	69.5	69.5	71.0
GE 800	23.8	39.9	43.4	49.8	55.6	60.5	63.4	67.7	70.1	70.7	70.7	71.0	71.1	71.5	71.5	73.1
GE 700	24.1	40.8	45.0	51.7	57.8	62.9	65.7	70.1	72.5	73.1	73.1	73.4	73.5	73.9	73.9	75.4
GE 600	24.2	41.4	45.7	52.9	59.5	64.8	68.0	72.6	75.1	75.7	75.7	76.0	76.2	76.5	76.5	78.1
GE 500	24.2	41.7	46.1	53.4	60.7	66.3	69.7	74.5	77.0	77.8	77.8	78.3	78.4	78.8	78.8	80.4
GE 400	24.3	42.0	46.6	54.5	62.4	68.4	72.0	77.5	80.1	81.1	81.1	81.6	81.7	82.0	82.0	83.6
GE 300	24.3	42.6	47.3	55.3	63.2	69.7	73.4	79.8	82.6	84.0	84.0	84.7	84.9	85.3	85.3	86.8
GE 200	24.3	42.6	47.3	55.4	63.5	70.1	73.9	81.0	84.3	85.6	86.1	86.9	87.3	87.7	87.7	89.2
GE 100	24.3	42.6	47.4	55.6	63.6	70.3	74.3	81.4	85.0	86.9	88.1	89.1	89.6	90.2	90.3	93.3
GE 0	24.3	42.6	47.4	55.6	63.6	70.3	74.3	81.6	85.4	87.4	88.9	89.9	90.7	92.1	92.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 835

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOECOMPE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0600-0800

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.1	13.2	13.9	16.3	17.9	19.0	19.8	21.2	21.7	22.0	22.5	22.6	22.7	23.3	23.3	24.2
GE 20000	9.5	16.0	16.9	20.0	21.7	23.1	24.2	26.0	26.5	27.0	27.5	27.6	27.9	28.1	28.7	29.6
GE 18000	9.5	16.0	16.9	20.0	21.7	23.1	24.3	26.1	26.8	27.3	27.7	27.9	28.1	28.9	28.9	29.9
GE 16000	9.5	16.0	16.9	20.0	21.7	23.1	24.3	26.1	26.8	27.3	27.7	27.9	28.1	28.9	28.9	29.9
GE 14000	9.5	16.1	17.0	20.1	21.9	23.3	24.5	26.3	27.0	27.5	28.0	28.1	28.3	29.2	29.2	30.1
GE 12000	9.5	16.2	17.1	20.6	22.5	23.9	25.1	26.9	27.6	28.2	28.7	28.8	29.0	29.9	29.9	30.8
GE 10000	9.9	16.9	18.0	21.4	23.3	24.8	26.3	28.2	28.9	29.5	30.1	30.2	30.5	31.3	31.3	32.3
GE 9000	10.0	17.0	18.2	21.7	23.6	25.0	26.5	28.6	29.3	29.9	30.5	30.6	30.8	31.7	31.7	32.6
GE 8000	10.0	17.0	18.5	21.9	23.9	25.2	26.8	28.8	29.5	30.1	30.7	30.8	31.1	31.9	31.9	32.9
GE 7000	10.1	17.1	18.6	22.0	23.9	25.4	26.9	28.9	29.6	30.2	30.8	31.0	31.2	32.0	32.0	33.0
GE 6000	10.2	17.3	18.7	22.1	24.0	25.5	27.0	29.0	29.8	30.4	31.0	31.1	31.3	32.1	32.1	33.3
GE 5000	10.7	18.7	20.5	23.9	25.9	27.3	28.8	31.0	31.9	32.5	33.2	33.5	33.7	34.5	34.6	35.8
GE 4500	12.1	20.5	22.3	25.7	27.6	29.0	30.6	32.7	33.7	34.3	35.0	35.2	35.5	36.3	36.4	37.6
GE 4000	12.4	21.0	22.7	26.2	28.1	29.5	31.1	33.3	34.3	34.9	35.6	35.8	36.1	36.9	37.0	38.2
GE 3500	12.5	21.4	23.2	26.7	28.7	30.1	31.8	34.3	35.2	35.8	36.5	36.8	37.0	37.9	38.0	39.2
GE 3000	13.7	23.3	25.1	28.8	31.1	33.0	34.8	37.9	38.8	39.4	40.1	40.4	40.6	41.4	41.5	42.7
GE 2500	16.2	27.0	28.9	33.0	35.5	37.4	39.4	42.5	43.5	44.2	44.9	45.1	45.4	46.2	46.3	47.5
GE 2000	18.2	31.0	33.2	37.7	40.5	42.6	44.6	47.7	48.7	49.4	50.1	50.4	50.6	51.5	51.7	52.9
GE 1800	18.9	32.1	34.4	39.0	41.9	44.0	46.3	49.5	50.5	51.4	52.1	52.4	52.6	53.6	53.7	54.9
GE 1500	19.8	33.2	35.7	40.7	43.7	46.1	48.6	51.9	53.0	54.2	54.9	55.1	55.4	56.3	56.4	57.7
GE 1200	21.4	35.5	38.0	43.7	47.7	50.2	53.3	57.3	58.3	59.5	60.4	60.7	61.0	61.9	62.0	63.3
GE 1000	21.9	37.0	39.6	46.4	51.1	53.7	56.9	61.2	62.5	63.9	64.8	65.1	65.4	66.3	66.4	67.7
GE 900	22.1	37.5	40.1	46.9	51.6	54.2	57.6	62.0	63.3	64.8	65.6	66.0	66.2	67.1	67.3	68.6
GE 800	22.3	38.0	41.1	48.3	53.3	56.2	59.6	64.3	65.8	67.3	68.1	68.5	68.7	69.6	69.8	71.1
GE 700	22.6	38.9	42.1	50.2	55.5	58.7	62.3	67.0	68.6	70.0	70.8	71.3	71.5	72.5	72.6	73.9
GE 600	22.9	39.6	43.3	51.9	57.9	61.5	65.4	70.2	71.8	73.2	74.0	74.5	74.8	75.7	75.8	77.1
GE 500	23.1	40.6	44.4	53.3	59.5	63.5	67.3	72.7	74.4	76.0	76.8	77.3	77.5	78.5	78.6	79.9
GE 400	23.3	41.3	45.1	54.0	60.6	64.8	68.9	75.1	77.1	79.0	79.9	80.4	80.6	81.5	81.7	83.0
GE 300	23.3	41.7	45.7	55.0	62.3	66.8	71.2	77.7	80.0	82.3	83.1	83.6	83.8	84.8	84.9	86.2
GE 200	23.3	41.7	45.7	55.0	62.7	67.3	71.9	78.9	81.2	84.0	85.1	85.6	85.8	87.1	87.3	88.7
GE 100	23.3	41.7	45.8	55.1	62.9	67.5	72.1	79.8	82.0	85.4	87.0	87.7	88.5	89.8	90.2	93.3
GE 0	23.3	41.7	45.8	55.1	62.9	67.5	72.1	79.8	82.1	85.6	87.3	88.5	89.8	91.4	92.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 840

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	7.2	11.4	13.1	15.3	16.7	16.9	18.2	19.4	19.9	20.4	20.5	20.6	20.6	20.9	21.0	21.2
GE 20000	10.4	16.3	18.7	21.5	23.3	23.9	25.9	27.2	27.7	28.2	28.3	28.4	28.4	28.7	28.8	29.0
GE 18000	10.4	16.3	18.7	21.5	23.4	24.0	26.0	27.3	27.9	28.5	28.7	28.8	28.8	29.0	29.1	29.4
GE 16000	10.4	16.3	18.7	21.5	23.4	24.0	26.0	27.3	27.9	28.5	28.7	28.8	28.8	29.0	29.1	29.4
GE 14000	10.8	17.3	19.7	22.4	24.5	25.1	27.1	28.4	29.0	29.6	29.7	29.9	29.9	30.1	30.2	30.5
GE 12000	11.3	18.3	20.9	24.0	26.1	26.7	29.1	30.5	31.1	31.7	31.8	31.9	31.9	32.1	32.3	32.5
GE 10000	11.8	18.9	21.6	24.8	27.2	27.9	30.3	31.8	32.4	33.0	33.1	33.2	33.2	33.6	33.7	33.9
GE 9000	12.4	19.5	22.2	25.8	28.3	29.1	31.5	33.1	33.7	34.4	34.5	34.7	34.7	35.0	35.1	35.4
GE 8000	12.4	19.5	22.4	26.0	28.5	29.4	31.8	33.3	33.9	34.8	34.9	35.0	35.0	35.4	35.5	35.7
GE 7000	12.5	19.8	22.7	26.3	28.8	29.6	32.0	33.6	34.2	35.0	35.1	35.3	35.3	35.6	35.7	36.0
GE 6000	12.6	20.0	22.9	26.7	29.3	30.1	32.5	34.1	34.7	35.5	35.6	35.7	35.7	36.1	36.2	36.5
GE 5000	14.1	21.8	24.7	28.8	31.3	32.1	34.5	36.5	37.1	37.9	38.0	38.1	38.1	38.5	38.6	38.8
GE 4500	15.5	23.9	26.7	30.9	33.8	34.9	37.3	39.4	40.0	40.9	41.0	41.1	41.1	41.5	41.6	41.8
GE 4000	16.3	24.9	27.8	32.4	35.4	36.7	39.2	41.4	42.0	42.8	42.9	43.0	43.0	43.6	43.8	44.0
GE 3500	16.8	25.8	28.8	33.7	36.7	38.0	40.6	42.8	43.5	44.4	44.5	44.6	44.6	45.2	45.3	45.6
GE 3000	17.9	27.6	30.6	35.9	39.0	40.5	43.3	45.6	46.3	47.1	47.2	47.4	47.4	48.0	48.1	48.3
GE 2500	19.5	29.9	33.0	38.4	41.7	43.3	46.0	48.6	49.4	50.5	50.6	50.8	50.8	51.4	51.6	51.8
GE 2000	21.0	32.4	35.7	41.7	45.1	46.8	49.5	52.0	52.9	54.0	54.2	54.6	54.6	55.2	55.3	55.5
GE 1800	22.1	34.3	38.1	44.4	47.8	49.5	52.4	55.0	55.9	57.1	57.3	57.7	57.7	58.3	58.4	58.6
GE 1500	23.6	36.3	40.2	47.0	50.6	52.3	55.3	58.0	59.0	60.2	60.4	60.9	60.9	61.5	61.6	61.9
GE 1200	24.3	37.6	41.6	49.0	53.7	55.8	59.4	62.2	63.2	64.4	64.7	65.2	65.2	65.9	66.1	66.3
GE 1000	24.9	39.1	43.2	51.1	56.5	58.6	62.2	65.2	66.2	67.7	68.1	68.6	68.6	69.3	69.4	69.7
GE 900	25.2	39.7	43.8	51.7	57.3	59.6	63.3	66.5	67.5	69.1	69.4	69.9	69.9	70.6	70.7	71.0
GE 800	25.3	40.2	44.6	52.9	58.9	61.2	65.1	68.5	69.4	71.0	71.3	71.8	71.8	72.5	72.7	72.9
GE 700	25.7	40.9	45.6	54.2	60.6	63.1	67.1	71.1	72.1	73.6	74.1	74.6	74.6	75.3	75.4	75.7
GE 600	25.7	41.7	46.6	55.4	62.2	65.1	69.2	73.6	74.6	76.1	76.7	77.2	77.2	77.9	78.1	78.3
GE 500	25.9	42.2	47.6	56.8	64.4	67.3	71.3	76.4	77.5	79.4	80.1	80.6	80.6	81.3	81.4	81.7
GE 400	25.9	42.4	48.6	57.7	66.2	69.3	73.7	79.9	80.9	82.9	83.6	84.1	84.2	84.9	85.0	85.5
GE 300	25.9	42.7	48.9	58.5	67.6	70.7	75.5	82.6	83.8	86.1	86.9	87.3	87.4	88.2	88.4	88.8
GE 200	25.9	42.8	49.0	58.6	68.0	71.1	76.5	83.7	85.5	88.4	89.4	90.4	91.0	92.1	92.3	93.0
GE 100	25.9	42.8	49.0	58.6	68.0	71.2	76.6	84.1	85.9	88.8	90.0	91.0	91.8	93.3	93.5	95.6
GE 0	25.9	42.8	49.0	58.6	68.0	71.2	76.6	84.1	85.9	89.3	90.5	91.5	92.4	94.2	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 834



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	GT 100	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	1	9.7	16.3	17.0	18.3	19.2	20.2	21.4	21.6	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 20000	1	14.8	23.6	25.0	26.8	29.1	29.8	31.1	31.4	31.8	31.8	31.8	31.8	31.8	31.8	31.9
GE 18000	1	14.9	23.7	25.1	27.0	29.4	30.1	31.4	31.8	32.1	32.1	32.1	32.1	32.1	32.1	32.3
GE 16000	1	15.1	23.8	25.3	27.2	29.5	30.2	31.6	31.9	32.3	32.3	32.3	32.3	32.3	32.3	32.4
GE 14000	1	15.4	24.6	26.0	28.1	30.5	31.2	32.5	32.9	33.2	33.2	33.2	33.2	33.2	33.2	33.3
GE 12000	1	16.1	25.9	27.3	29.7	32.1	32.9	34.2	34.5	34.9	34.9	34.9	34.9	34.9	34.9	35.0
GE 10000	1	16.6	27.2	28.7	31.6	34.2	35.0	36.3	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.2
GE 9000	1	16.8	27.6	29.2	32.1	34.9	35.6	36.9	37.4	37.7	37.7	37.7	37.7	37.7	37.7	38.0
GE 8000	1	17.1	28.0	29.5	32.6	35.1	36.2	37.5	38.0	38.3	38.3	38.3	38.3	38.3	38.3	38.6
GE 7000	1	17.2	28.2	29.8	32.9	35.6	36.4	37.7	38.2	38.6	38.6	38.6	38.6	38.6	38.6	38.8
GE 6000	1	17.3	28.6	30.1	33.2	35.9	36.8	38.1	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.3
GE 5000	1	18.5	30.5	32.0	35.5	38.4	39.3	40.6	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.8
GE 4500	1	20.4	32.4	34.0	37.7	40.8	41.6	43.3	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.6
GE 4000	1	21.1	33.9	35.7	39.9	43.4	44.4	46.0	46.7	47.2	47.4	47.4	47.4	47.4	47.4	47.7
GE 3500	1	22.7	36.2	38.0	42.1	45.7	46.7	48.5	49.3	49.8	50.1	50.1	50.1	50.1	50.1	50.3
GE 3000	1	24.3	38.3	40.1	44.5	48.0	49.1	50.9	51.7	52.3	52.6	52.6	52.6	52.6	52.6	52.8
GE 2500	1	26.2	40.9	42.8	47.4	51.2	52.3	54.1	54.9	55.5	55.8	55.8	55.8	55.8	55.8	56.0
GE 2000	1	29.2	45.4	47.7	52.4	56.6	57.7	59.5	60.5	61.2	61.6	61.7	61.7	61.7	61.7	61.9
GE 1800	1	30.7	47.6	49.9	55.0	59.2	60.4	62.3	63.5	64.2	64.5	64.7	64.7	64.7	64.7	64.9
GE 1500	1	32.7	50.9	53.4	58.7	63.0	64.2	66.2	67.4	68.1	68.4	68.6	68.7	68.7	68.7	68.9
GE 1200	1	35.0	55.5	58.4	64.5	69.2	71.2	73.4	74.7	75.4	75.8	75.9	76.0	76.0	76.0	76.3
GE 1000	1	36.1	57.8	60.7	67.6	72.6	74.7	77.0	78.3	79.0	79.4	79.5	79.6	79.6	79.6	79.8
GE 900	1	36.5	58.7	61.8	68.7	73.7	75.8	78.1	79.4	80.1	80.4	80.5	80.7	80.7	80.7	80.9
GE 800	1	36.7	59.3	62.5	69.9	75.6	77.7	80.0	81.5	82.2	82.7	82.8	82.9	82.9	82.9	83.2
GE 700	1	37.1	60.5	63.8	71.4	77.3	79.6	82.0	83.6	84.6	85.1	85.2	85.3	85.3	85.3	85.5
GE 600	1	37.1	61.0	64.4	72.6	78.9	81.3	83.6	86.0	87.0	87.5	87.7	87.8	87.8	87.8	88.0
GE 500	1	37.2	61.3	65.1	73.4	80.3	82.7	85.2	87.7	88.7	89.3	89.4	89.6	89.6	89.6	89.8
GE 400	1	37.4	61.7	65.5	74.0	81.1	83.6	86.2	89.1	90.3	90.9	91.0	91.1	91.1	91.1	91.3
GE 300	1	37.4	62.0	66.2	74.9	82.3	84.8	87.7	90.5	91.9	92.6	93.0	93.1	93.2	93.2	93.5
GE 200	1	37.4	62.0	66.2	74.9	82.7	85.3	88.6	92.2	94.0	94.9	95.4	95.5	95.6	95.6	96.4
GE 100	1	37.4	62.0	66.2	74.9	82.7	85.8	89.1	92.8	94.9	96.2	96.8	97.0	97.6	98.0	98.9
GE 0	1	37.4	62.0	66.2	74.9	82.7	85.8	89.1	92.8	94.9	96.2	96.9	97.2	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	10.8	15.6	16.4	18.2	19.7	19.9	20.1	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
GE 20000	16.7	24.5	25.5	28.4	30.3	30.6	31.1	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 18000	16.8	24.6	25.7	28.5	30.5	30.7	31.2	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 16000	16.9	24.7	25.8	28.7	30.6	30.8	31.3	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 14000	17.1	25.2	26.4	29.3	31.3	31.5	32.0	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
GE 12000	19.1	26.6	28.1	30.9	33.1	33.5	33.9	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 10000	19.2	28.2	29.7	32.9	35.0	35.4	35.9	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 9000	19.8	29.3	30.8	34.2	36.3	36.8	37.4	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 8000	19.8	29.7	31.3	34.7	36.9	37.5	38.1	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 7000	19.9	30.0	31.5	34.9	37.2	37.8	38.5	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 6000	20.3	30.3	31.9	35.3	37.5	38.1	38.8	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 5000	20.7	31.7	33.2	36.8	39.1	39.7	40.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 4500	21.7	33.1	34.8	38.8	41.4	42.0	42.7	43.8	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 4000	23.4	35.3	37.2	41.4	44.0	44.7	45.4	46.6	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 3500	25.2	37.3	39.4	43.6	46.3	47.0	47.7	49.0	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 3000	28.1	41.1	43.4	47.8	50.5	51.2	51.9	53.2	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 2500	31.5	45.6	48.3	53.2	56.4	57.1	57.8	59.4	59.8	60.0	60.0	60.1	60.1	60.1	60.1	60.1
GE 2000	35.6	50.5	53.8	59.2	62.4	63.2	64.0	65.7	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5
GE 1800	37.3	53.1	56.7	63.1	66.3	67.3	68.1	69.8	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7
GE 1500	38.8	55.6	59.5	66.2	69.7	70.9	71.7	73.9	74.5	74.8	74.8	74.9	74.9	74.9	74.9	74.9
GE 1200	39.3	57.7	61.6	68.9	72.8	74.2	75.3	77.7	78.3	78.8	78.8	78.9	78.9	78.9	78.9	78.9
GE 1000	40.2	59.7	64.0	71.8	75.9	77.7	79.1	81.5	82.3	82.7	82.9	83.0	83.0	83.0	83.0	83.0
GE 900	40.4	60.1	64.6	73.0	77.5	79.4	80.8	83.2	83.9	84.4	84.5	84.7	84.7	84.7	84.7	84.7
GE 800	40.4	60.4	65.3	74.0	78.5	80.6	82.3	84.8	85.5	86.0	86.1	86.2	86.2	86.2	86.2	86.2
GE 700	40.4	60.8	66.1	74.9	79.7	81.9	83.6	86.5	87.2	87.6	87.8	87.9	87.9	87.9	87.9	87.9
GE 600	40.4	61.2	66.5	75.5	80.5	83.0	84.8	87.8	88.5	89.1	89.2	89.3	89.3	89.3	89.3	89.3
GE 500	40.4	61.6	67.0	76.3	81.5	84.2	86.0	89.0	89.7	90.3	90.5	90.6	90.6	90.6	90.6	90.6
GE 400	40.4	62.1	67.5	76.7	82.1	85.0	87.1	90.2	91.2	91.8	92.2	92.3	92.3	92.3	92.3	92.3
GE 300	40.4	62.2	67.7	77.2	82.9	85.9	88.2	91.4	92.4	93.0	93.4	93.5	93.6	93.6	93.6	93.6
GE 200	40.4	62.4	68.0	77.5	83.8	86.9	89.3	93.2	94.8	95.4	95.8	95.9	96.0	96.2	96.2	96.2
GE 100	40.4	62.4	68.0	77.5	83.9	87.3	89.8	94.2	96.2	97.1	97.6	97.7	98.0	98.3	98.4	98.4
GE 0	40.4	62.4	68.0	77.5	83.9	87.3	89.8	94.2	96.2	97.2	97.7	98.0	98.3	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 834

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 1800-2000

CEILING IN FEET	GE 160	GE 90	GE 90	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	12.0	19.9	20.7	23.4	25.7	26.4	26.9	27.2	28.0	28.2	28.5	28.6	28.6	28.6	28.6	28.6
GE 20000	15.3	25.2	26.3	29.7	32.1	32.8	33.5	34.1	34.9	35.2	35.4	35.5	35.5	35.6	35.6	35.6
GE 18000	15.3	25.4	26.4	29.8	32.2	32.9	33.6	34.2	35.0	35.3	35.5	35.6	35.6	35.8	35.8	35.8
GE 16000	15.3	25.4	26.4	29.8	32.2	32.9	33.6	34.2	35.0	35.3	35.5	35.6	35.6	35.8	35.8	35.8
GE 14000	15.7	26.3	27.5	30.9	33.4	34.2	34.9	35.5	36.4	36.6	36.8	37.0	37.0	37.1	37.1	37.1
GE 12000	16.3	27.5	28.7	32.2	34.8	35.6	36.4	37.0	37.8	38.0	38.3	38.4	38.4	38.5	38.5	38.5
GE 10000	17.0	29.2	31.2	35.0	37.9	39.1	40.0	40.6	41.4	41.6	41.9	42.0	42.0	42.1	42.1	42.1
GE 9000	17.3	29.7	31.7	35.5	38.4	39.6	40.7	41.3	42.1	42.3	42.6	42.7	42.7	42.8	42.8	42.8
GE 8000	17.3	29.7	31.7	35.5	38.4	39.6	40.7	41.3	42.1	42.3	42.6	42.7	42.7	42.8	42.8	42.8
GE 7000	17.3	29.7	31.7	35.6	38.5	39.8	40.9	41.5	42.3	42.6	42.8	42.9	42.9	43.1	43.1	43.1
GE 6000	17.5	30.1	32.2	36.1	39.0	40.3	41.5	42.1	42.9	43.2	43.4	43.5	43.5	43.7	43.7	43.7
GE 5000	17.8	31.0	33.3	37.4	40.4	41.7	43.1	43.7	44.5	44.7	45.0	45.1	45.1	45.2	45.2	45.2
GE 4500	18.8	32.2	34.4	38.8	41.9	43.2	44.6	45.3	46.2	46.4	46.7	46.8	46.8	46.9	46.9	46.9
GE 4000	18.9	32.4	34.7	39.2	42.3	43.9	45.3	46.2	47.0	47.4	47.6	47.7	47.7	47.8	47.8	47.8
GE 3500	19.3	33.3	35.5	40.2	43.3	44.9	46.5	47.4	48.2	48.6	48.8	48.9	48.9	49.0	49.0	49.0
GE 3000	20.2	36.1	38.5	43.8	46.9	48.6	50.4	51.2	52.0	52.4	52.6	52.8	52.8	52.9	52.9	52.9
GE 2500	22.2	40.3	43.1	48.9	52.4	54.1	55.9	56.9	57.8	58.1	58.4	58.5	58.5	58.6	58.6	58.6
GE 2000	25.0	44.5	47.6	54.1	58.1	60.0	62.1	63.3	64.2	64.7	65.0	65.1	65.1	65.2	65.2	65.2
GE 1800	25.7	45.7	49.2	56.5	60.5	62.6	64.6	66.1	67.2	67.8	68.1	68.2	68.2	68.3	68.3	68.3
GE 1500	26.7	48.1	52.3	60.0	64.5	67.0	69.1	71.1	72.2	73.0	73.2	73.3	73.3	73.4	73.4	73.4
GE 1200	27.3	49.9	54.1	62.2	67.1	70.0	73.0	76.0	77.4	78.2	78.5	78.6	78.6	78.7	78.7	78.7
GE 1000	27.8	50.7	55.3	63.9	69.9	72.8	76.0	79.4	81.0	81.9	82.2	82.3	82.3	82.4	82.4	82.4
GE 900	27.8	51.2	56.2	64.8	70.8	74.2	77.3	81.0	82.5	83.5	83.7	83.9	83.9	84.0	84.0	84.0
GE 800	28.1	51.7	56.7	65.8	72.1	75.5	78.6	82.4	84.1	85.2	85.4	85.5	85.5	85.6	85.6	85.6
GE 700	28.3	52.3	57.3	66.5	73.4	77.2	80.3	84.3	86.0	87.1	87.3	87.4	87.4	87.6	87.6	87.6
GE 600	28.3	52.3	57.4	67.2	74.3	78.2	81.6	86.0	87.9	89.0	89.2	89.4	89.4	89.5	89.5	89.5
GE 500	29.5	52.5	57.8	67.9	75.1	79.1	82.5	87.3	89.2	90.4	90.7	90.9	90.9	91.0	91.0	91.0
GE 400	29.6	52.9	58.5	68.8	76.1	80.5	84.1	89.1	91.1	92.3	92.6	92.8	92.8	92.9	92.9	92.9
GE 300	28.6	53.1	58.9	69.3	77.0	81.2	84.8	90.4	92.5	93.7	93.9	94.1	94.1	94.3	94.3	94.3
GE 200	28.6	53.1	59.2	69.6	77.4	82.2	85.9	91.7	94.4	95.6	95.8	96.1	96.1	96.2	96.2	96.2
GE 100	28.6	53.1	59.2	69.9	78.1	82.7	86.4	92.6	95.6	96.9	97.1	97.5	97.5	97.6	97.7	97.7
GE 0	28.6	53.1	59.2	69.9	78.1	82.7	86.4	92.6	95.6	96.9	97.1	97.5	97.7	98.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 836

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOISCOMBE DOWN UN

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FET	GT 160	GE 90	GF 40	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GF 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	10.8	17.3	18.3	21.0	23.5	25.2	25.7	26.9	27.5	27.8	27.9	28.1	28.4	28.5	28.5	28.5	
GE 20000	12.8	21.0	22.4	25.8	28.3	30.2	31.1	32.9	33.8	34.2	34.3	34.5	34.9	35.1	35.1	35.1	
GE 18000	12.8	21.0	22.4	25.8	28.3	30.2	31.1	32.9	33.8	34.2	34.3	34.5	34.9	35.1	35.1	35.1	
GE 16000	12.9	21.1	22.5	25.9	28.4	30.3	31.2	33.0	33.9	34.3	34.4	34.7	35.0	35.3	35.3	35.3	
GE 14000	13.2	21.6	23.0	26.4	28.9	30.8	31.7	33.5	34.4	34.8	34.9	35.1	35.5	35.7	35.7	35.7	
GE 12000	13.4	22.8	24.3	27.7	30.5	32.4	33.3	35.3	36.2	36.6	36.7	36.9	37.3	37.5	37.5	37.5	
GE 10000	13.5	23.7	25.5	29.1	31.9	33.9	34.9	36.9	37.9	38.2	38.4	38.6	39.0	39.2	39.2	39.2	
GF 9000	13.7	24.2	26.1	29.9	32.6	34.7	35.6	37.6	38.6	39.0	39.1	39.3	39.7	39.9	39.9	39.9	
GE 8000	13.7	24.3	26.3	30.0	32.7	34.8	35.9	37.9	38.8	39.2	39.3	39.6	39.9	40.2	40.2	40.2	
GE 7000	13.7	24.3	26.3	30.0	32.7	34.8	36.0	38.0	39.0	39.3	39.4	39.7	40.0	40.3	40.3	40.3	
GF 6000	13.8	24.5	26.5	30.2	33.2	35.3	36.5	38.6	39.6	39.9	40.0	40.3	40.6	40.9	40.9	40.9	
GE 5000	14.4	25.7	27.9	31.7	34.9	36.9	38.1	40.3	41.2	41.6	41.7	42.0	42.3	42.6	42.6	42.6	
GF 4500	15.1	26.5	28.8	32.6	35.9	38.1	39.3	41.6	42.6	42.9	43.0	43.3	43.6	43.9	43.9	43.9	
GE 4000	15.6	27.2	29.7	33.8	37.1	39.4	40.9	43.3	44.4	44.7	44.8	45.1	45.4	45.7	45.7	45.7	
GE 3500	15.7	27.8	30.6	34.7	38.0	40.5	42.0	44.6	45.7	46.0	46.2	46.4	46.8	47.0	47.0	47.0	
GF 3000	16.3	30.3	33.6	38.2	42.0	44.5	46.0	48.9	50.0	50.4	50.5	50.7	51.1	51.3	51.3	51.3	
GE 2500	17.6	33.1	36.8	41.8	45.7	48.2	50.0	53.0	54.1	54.4	54.6	54.8	55.2	55.4	55.4	55.4	
GE 2000	20.3	37.5	41.5	47.4	51.4	54.2	56.0	59.0	60.1	60.6	60.7	60.9	61.3	61.5	61.5	61.5	
GE 1800	20.7	38.6	42.7	48.6	52.8	55.8	57.7	61.0	62.1	62.8	62.9	63.2	63.5	63.8	63.8	63.8	
GE 1500	21.8	40.6	45.0	51.3	55.9	59.0	61.2	64.9	65.9	66.8	66.9	67.1	67.5	67.7	67.7	67.7	
GE 1200	22.8	42.8	47.5	55.0	60.1	64.1	66.7	71.1	72.3	73.1	73.3	73.5	73.9	74.1	74.1	74.1	
GF 1000	23.3	44.5	49.3	57.6	62.8	67.3	69.8	74.9	76.5	77.3	77.5	77.7	78.1	78.3	78.3	78.3	
GE 900	23.3	44.8	49.6	58.0	63.4	68.1	70.6	75.8	77.5	78.3	78.4	78.7	79.0	79.3	79.3	79.3	
GE 800	23.3	45.0	50.0	58.5	64.3	69.4	72.2	77.9	79.6	80.5	80.6	80.8	81.2	81.4	81.4	81.4	
GE 700	23.4	45.4	50.5	59.5	65.2	71.0	73.7	79.5	81.3	82.1	82.3	82.5	83.0	83.2	83.2	83.2	
GE 600	23.5	46.5	51.7	60.9	67.4	73.4	76.1	82.1	83.9	84.8	84.9	85.1	85.6	86.0	86.0	86.0	
GF 500	23.7	46.9	52.0	61.4	68.2	74.5	77.2	83.2	85.1	86.0	86.1	86.3	86.8	87.2	87.2	87.2	
GE 400	23.7	47.1	52.6	62.5	69.5	76.5	79.5	85.6	87.6	88.6	88.7	89.0	89.4	89.8	89.8	89.8	
GE 300	23.7	48.0	53.8	64.1	71.3	78.4	81.7	88.8	91.0	92.1	92.2	92.4	92.9	93.3	93.3	93.3	
GE 200	23.9	48.1	54.1	64.4	71.7	79.0	82.4	90.0	92.3	93.9	94.1	94.4	94.8	95.2	95.2	95.2	
GE 100	23.9	48.1	54.1	64.4	71.8	79.1	82.5	90.2	92.7	94.7	95.2	95.4	95.9	96.3	96.3	96.4	
GF 0	23.9	48.1	54.1	64.4	71.8	79.1	82.5	90.2	92.7	94.7	95.3	95.8	96.5	97.4	97.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 834

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 76-87  
MONTH: FEB HOURS: 1511: ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25
NO CEIL	9.6	15.6	16.9	18.9	20.9	22.0	22.8	23.9	24.5	24.8	25.0	25.1	25.3	25.4	25.4	25.8
GE 20000	12.8	20.6	22.2	24.9	27.2	28.5	29.5	31.0	31.8	32.0	32.2	32.4	32.5	32.8	32.8	33.2
GE 18000	12.8	20.7	22.3	25.0	27.3	28.6	29.6	31.1	31.9	32.2	32.4	32.5	32.7	32.9	32.9	33.4
GE 16000	12.9	20.7	22.3	25.0	27.3	28.6	29.7	31.2	32.0	32.2	32.4	32.6	32.7	33.0	33.0	33.5
GE 14000	13.1	21.2	22.8	25.5	27.9	29.2	30.3	31.8	32.6	32.9	33.0	33.2	33.3	33.6	33.6	34.1
GE 12000	13.4	22.0	23.7	26.6	29.1	30.4	31.6	33.1	33.9	34.2	34.3	34.5	34.7	34.9	34.9	35.4
GE 10000	13.9	23.0	24.9	28.0	30.6	32.1	33.3	34.9	35.7	36.0	36.2	36.3	36.5	36.7	36.8	37.2
GE 9000	14.2	23.5	25.5	28.7	31.4	32.8	34.1	35.8	36.5	36.9	37.1	37.2	37.4	37.6	37.7	38.1
GE 8000	14.3	23.7	25.8	29.0	31.7	33.2	34.4	36.1	36.9	37.3	37.4	37.6	37.7	38.0	38.1	38.5
GE 7000	14.4	23.9	25.9	29.1	31.9	33.3	34.6	36.3	37.1	37.4	37.6	37.8	37.9	38.2	38.3	38.7
GE 6000	14.5	24.1	26.2	29.5	32.3	33.8	35.1	36.8	37.6	37.9	38.1	38.3	38.5	38.7	38.8	39.2
GE 5000	15.2	25.3	27.5	31.0	33.8	35.3	36.7	38.5	39.3	39.7	39.9	40.1	40.2	40.5	40.6	41.1
GE 4500	16.2	26.6	28.9	32.5	35.4	37.0	38.4	40.3	41.2	41.5	41.8	41.9	42.1	42.4	42.4	42.9
GE 4000	16.8	27.5	29.9	33.7	36.8	38.5	39.9	41.9	42.8	43.2	43.4	43.6	43.8	44.1	44.2	44.6
GE 3500	17.5	28.6	31.1	35.0	38.1	39.8	41.4	43.5	44.4	44.8	45.0	45.2	45.4	45.7	45.7	46.2
GE 3000	18.8	30.9	33.5	37.9	41.2	43.0	44.7	46.9	47.9	48.4	48.6	48.8	48.9	49.2	49.3	49.8
GE 2500	20.8	34.3	37.7	41.8	45.4	47.3	49.0	51.4	52.4	52.9	53.1	53.3	53.5	53.8	53.8	54.3
GE 2000	23.3	38.1	41.1	46.4	50.2	52.2	54.0	56.5	57.6	58.1	58.3	58.6	58.7	59.1	59.1	59.6
GE 1800	24.3	39.6	42.8	48.5	52.3	54.4	56.3	58.9	60.0	60.7	61.0	61.2	61.4	61.7	61.7	62.2
GE 1500	25.7	41.8	45.3	51.3	55.4	57.7	59.8	62.6	63.8	64.6	64.8	65.1	65.3	65.6	65.6	66.2
GE 1200	26.7	44.2	47.8	54.5	59.2	61.9	64.5	67.8	69.1	69.9	70.2	70.4	70.6	70.9	71.0	71.5
GE 1000	27.4	45.9	49.6	57.1	62.3	65.2	67.9	71.5	72.9	73.8	74.1	74.3	74.5	74.8	74.9	75.4
GE 900	27.6	46.5	50.4	58.0	63.3	66.3	69.0	72.7	74.1	75.0	75.3	75.6	75.8	76.1	76.2	76.7
GE 800	27.8	47.1	51.2	59.1	64.8	68.0	70.8	74.7	76.2	77.2	77.5	77.7	77.9	78.2	78.3	78.8
GE 700	28.1	47.8	52.2	60.4	66.4	69.9	72.8	76.9	78.4	79.3	79.6	79.9	80.1	80.4	80.5	81.0
GE 600	28.2	48.4	53.0	61.6	68.0	71.9	74.9	79.2	80.8	81.8	82.1	82.4	82.6	82.9	83.0	83.5
GE 500	28.4	48.9	53.7	62.5	69.4	73.4	76.5	81.1	82.8	83.8	84.2	84.5	84.7	85.1	85.1	85.6
GE 400	28.4	49.4	54.3	63.4	70.7	75.0	78.3	83.4	85.2	86.4	86.8	87.1	87.3	87.6	87.7	88.2
GE 300	28.5	49.6	54.9	64.2	71.8	76.3	79.8	85.5	87.4	88.8	89.2	89.6	89.8	90.2	90.3	90.8
GE 200	28.5	49.8	55.0	64.4	72.4	76.9	80.7	86.8	89.2	90.8	91.4	91.8	92.2	92.7	92.8	93.4
GE 100	28.5	49.8	55.1	64.5	72.5	77.2	81.0	87.5	90.0	92.0	92.9	93.4	93.9	94.6	94.8	96.1
GE 0	28.5	49.8	55.1	64.5	72.5	77.2	81.0	87.5	90.1	92.2	93.2	93.8	94.6	95.6	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 6689

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037600 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 1 160	GE 3 90	GE 4 40	GE 6 60	GE 8 40	GE 10 40	GE 12 32	GE 14 24	GE 16 20	GE 18 16	GE 20 12	GE 24 10	GE 28 8	GE 32 5	GE 36 4	GE 40 0
NO	CEIL	19.6	25.0	25.5	26.4	27.1	28.2	28.8	30.9	31.1	31.6	31.6	31.6	32.0	32.5	32.5	32.7
GE	00000	25.0	32.1	32.7	33.9	34.5	35.7	36.5	39.0	39.2	39.8	39.8	39.8	40.1	40.8	40.8	41.0
GE	10000	25.0	32.1	32.7	33.9	34.5	35.7	36.5	39.0	39.2	39.8	39.8	39.8	40.1	40.8	40.8	41.0
GE	16000	25.0	32.1	32.7	33.9	34.5	35.7	36.5	39.0	39.3	39.9	39.9	39.9	40.2	40.9	40.9	41.1
GE	18000	25.4	32.5	33.2	34.5	35.0	36.2	37.2	39.7	40.0	40.5	40.5	40.5	40.9	41.5	41.5	41.7
GE	12000	25.7	32.9	33.6	34.9	35.4	36.6	37.6	40.1	40.4	41.0	41.0	41.0	41.3	42.0	42.0	42.2
GE	10500	26.5	34.5	35.1	36.7	37.5	38.7	39.7	42.2	42.5	43.0	43.0	43.0	43.4	44.0	44.0	44.2
GE	9000	27.1	35.2	36.0	37.8	38.7	40.0	41.0	43.5	43.8	44.3	44.3	44.3	44.7	45.3	45.3	45.5
GE	8000	27.3	35.4	36.2	38.0	38.9	40.2	41.2	43.7	44.0	44.6	44.6	44.6	44.9	45.5	45.5	45.8
GE	7000	27.3	35.7	36.4	38.4	39.2	40.5	41.5	44.0	44.3	44.9	44.9	44.9	45.2	45.9	45.9	46.1
GE	6000	27.6	36.2	37.2	39.2	40.1	41.4	42.4	44.9	45.2	45.8	45.8	45.8	46.1	46.7	46.7	47.0
GE	5000	28.9	38.3	39.5	42.1	43.0	44.3	45.4	48.4	48.8	49.3	49.3	49.3	49.7	50.3	50.3	50.5
GE	4500	29.9	39.3	40.5	43.2	44.1	45.4	46.5	49.5	50.1	50.7	50.7	50.7	51.0	51.6	51.6	51.8
GE	4000	30.2	40.4	41.7	44.5	45.5	47.0	48.2	51.2	51.8	52.4	52.4	52.4	52.7	53.4	53.4	53.6
GE	3500	31.1	41.6	42.9	45.9	47.0	48.4	49.6	52.6	53.4	53.9	53.9	53.9	54.2	54.9	54.9	55.1
GE	3000	32.7	43.4	44.6	47.9	49.0	50.4	52.0	55.2	56.0	56.5	56.5	56.5	56.8	57.5	57.5	57.7
GE	2500	35.0	46.2	47.4	51.3	52.4	54.1	55.7	58.9	59.8	60.3	60.3	60.3	60.7	61.4	61.4	61.6
GE	2000	36.7	48.5	50.3	53.8	55.4	57.0	58.5	61.8	62.8	63.4	63.5	63.5	63.8	64.6	64.6	64.8
GE	1800	36.7	49.6	51.4	54.6	56.2	57.7	59.2	62.7	63.7	64.2	64.3	64.3	64.7	65.4	65.4	65.7
GE	1500	37.7	50.5	52.7	56.4	58.5	60.3	61.8	65.3	66.4	67.0	67.1	67.1	67.4	68.2	68.2	68.4
GE	1200	38.9	53.2	55.7	59.6	62.1	63.9	65.4	69.0	70.1	70.7	70.7	70.8	71.1	71.8	71.8	72.1
GE	1000	39.9	55.7	58.5	62.6	65.1	67.1	68.6	72.3	73.5	74.0	74.1	74.1	74.5	75.2	75.2	75.4
GE	900	40.3	56.6	59.5	63.8	66.3	68.3	69.8	73.6	74.8	75.3	75.4	75.4	75.8	76.5	76.5	76.7
GE	800	41.0	57.9	61.1	65.5	68.2	70.2	71.8	76.1	77.3	77.8	77.9	77.9	78.3	79.0	79.0	79.2
GE	700	41.1	58.6	61.8	66.5	69.2	71.3	72.9	77.3	78.5	79.1	79.2	79.2	79.6	80.3	80.3	80.7
GE	600	41.2	59.3	62.8	67.7	70.5	72.9	74.6	79.0	80.3	81.0	81.2	81.2	81.5	82.3	82.3	82.6
GE	500	41.3	60.1	63.7	68.8	71.7	74.2	76.1	80.7	82.0	82.7	82.8	82.8	83.3	84.0	84.0	84.3
GE	400	41.6	60.7	64.2	69.6	72.7	75.4	77.5	82.4	83.9	84.6	84.9	84.9	85.3	86.1	86.1	86.4
GE	300	41.8	61.7	65.9	71.5	75.2	78.0	80.2	85.7	87.3	88.0	88.4	88.4	88.8	89.6	89.6	89.9
GE	200	41.8	61.6	66.1	71.8	75.9	78.7	81.1	87.0	89.0	90.0	90.4	90.5	91.0	91.8	91.8	92.2
GE	100	41.8	62.0	66.3	72.2	76.3	79.3	81.8	87.9	90.3	92.1	92.9	93.4	93.9	95.0	95.2	95.9
GE	0	41.8	62.0	66.3	72.2	76.3	79.5	82.0	88.0	90.4	92.4	93.7	94.1	94.7	97.0	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30
NO CEIL	13.4	18.3	19.5	21.0	22.5	22.9	23.9	25.6	26.3	27.0	27.0	27.1	27.4	28.0	28.1	28.6	
GE 20000	17.8	23.0	24.3	25.9	27.5	27.8	29.3	30.9	31.7	32.6	32.6	32.7	33.0	33.6	33.7	34.2	
GE 18000	17.8	23.0	24.3	25.9	27.5	27.8	29.3	30.9	31.7	32.6	32.6	32.7	33.0	33.6	33.7	34.2	
GE 16000	17.8	23.0	24.3	25.9	27.5	27.8	29.3	30.9	31.7	32.6	32.6	32.7	33.0	33.6	33.7	34.2	
GE 14000	18.0	23.2	24.5	26.1	27.7	28.2	29.7	31.4	32.4	33.3	33.3	33.4	33.7	34.2	34.3	34.9	
GE 12000	18.6	24.1	25.4	27.0	28.6	29.0	30.7	32.4	33.5	34.3	34.3	34.5	34.8	35.3	35.4	36.0	
GE 10000	19.3	25.0	26.5	28.3	30.0	30.6	32.2	34.0	35.1	36.0	36.0	36.1	36.4	36.9	37.1	37.6	
GE 9000	19.5	25.6	27.1	28.9	30.7	31.2	32.8	34.7	35.8	36.6	36.6	36.7	37.1	37.6	37.7	38.2	
GE 8000	19.8	25.9	27.4	29.3	31.0	31.5	33.2	35.0	36.1	36.9	36.9	37.1	37.4	37.9	38.0	38.6	
GE 7000	19.8	26.0	27.5	29.4	31.1	31.6	33.3	35.1	36.2	37.1	37.1	37.2	37.5	38.0	38.1	38.7	
GE 6000	20.3	26.9	28.7	30.6	32.4	32.9	34.6	36.4	37.5	38.4	38.4	38.5	38.8	39.3	39.4	40.0	
GE 5000	21.8	28.6	30.4	32.3	34.2	34.8	36.5	38.6	40.0	40.8	40.8	41.0	41.3	41.8	41.9	42.5	
GE 4500	22.9	29.9	31.7	33.6	35.5	36.1	37.8	40.0	41.5	42.5	42.5	42.6	42.9	43.4	43.6	44.1	
GE 4000	23.6	31.3	33.2	35.0	36.9	37.5	39.2	41.4	42.9	43.9	43.9	44.0	44.3	44.9	45.0	45.5	
GE 3500	23.8	31.6	33.5	35.5	37.5	38.0	39.8	42.0	43.6	44.5	44.5	44.6	45.0	45.5	45.6	46.2	
GE 3000	25.0	34.7	36.6	38.7	40.6	41.5	43.2	45.5	47.0	48.0	48.0	48.1	48.4	49.0	49.1	49.6	
GE 2500	29.1	38.9	41.5	43.7	45.8	46.5	48.2	50.6	52.1	53.1	53.1	53.2	53.5	54.1	54.2	54.7	
GE 2000	31.4	42.1	45.0	47.3	49.6	50.4	52.3	54.8	56.3	57.3	57.3	57.4	57.7	58.3	58.4	59.0	
GE 1800	32.3	43.3	46.2	48.8	51.1	52.1	54.1	56.6	58.1	59.0	59.0	59.2	59.5	60.0	60.1	60.6	
GE 1500	33.2	45.1	48.1	50.8	53.4	54.4	56.4	59.2	60.8	61.8	61.8	61.9	62.2	62.7	62.9	63.6	
GE 1200	34.3	48.0	51.7	54.7	57.7	59.0	61.2	64.1	65.8	66.8	66.8	66.9	67.1	67.4	67.9	68.8	
GE 1000	35.1	49.9	53.7	57.2	60.2	61.6	63.8	67.0	68.7	69.8	69.8	70.0	70.3	70.9	71.1	71.8	
GE 900	35.3	50.9	54.8	58.4	61.4	63.1	65.2	68.4	70.2	71.3	71.3	71.5	71.8	72.4	72.6	73.3	
GE 800	35.5	51.6	55.6	59.2	62.2	63.9	66.1	69.3	71.3	72.4	72.4	72.6	72.9	73.5	73.7	74.5	
GE 700	35.8	52.2	56.3	60.0	63.7	65.1	67.3	70.7	72.8	74.0	74.0	74.2	74.5	75.1	75.3	76.2	
GE 600	36.3	54.3	58.5	62.7	65.9	68.1	70.3	73.9	76.1	77.2	77.2	77.5	77.8	78.3	78.5	79.4	
GE 500	36.7	55.7	60.1	64.9	68.1	71.0	73.1	76.7	78.9	80.2	80.2	80.4	80.7	81.3	81.5	82.3	
GE 400	36.7	55.8	60.5	65.8	69.4	72.3	74.4	78.3	80.5	81.8	81.8	82.0	82.3	82.9	83.1	84.0	
GE 300	36.7	56.6	61.5	67.7	71.5	74.6	76.9	81.6	84.1	85.8	85.9	86.1	86.5	87.0	87.2	88.1	
GE 200	36.7	57.1	62.2	68.8	72.9	76.2	78.8	84.1	86.9	88.7	88.8	89.1	89.4	90.0	90.2	91.1	
GE 100	36.7	57.1	62.2	69.0	73.7	77.4	80.2	86.3	89.2	91.1	91.1	91.7	92.3	93.1	93.3	94.8	
GE 0	36.7	57.1	62.2	69.0	73.7	77.5	80.3	86.5	89.4	91.4	92.0	92.4	93.4	95.0	95.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 40	GE 80	GE 60	GE 45	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	10.5	12.4	12.6	13.9	15.6	15.9	16.7	17.7	18.4	19.5	19.8	20.0	20.6	21.3	21.4	22.4
GE 20000	14.8	18.7	19.3	20.8	22.6	23.2	24.0	25.3	26.2	27.3	27.6	27.9	28.5	29.3	29.4	30.5
GE 18000	14.9	18.8	19.4	20.9	22.7	23.3	24.1	25.4	26.3	27.4	27.7	28.0	28.6	29.4	29.5	30.6
GE 16000	14.9	18.8	19.4	20.9	22.7	23.3	24.1	25.4	26.3	27.4	27.7	28.0	28.6	29.4	29.5	30.6
GE 14000	15.2	19.3	19.8	21.4	23.4	23.9	24.8	26.3	27.2	28.2	28.6	28.9	29.4	30.3	30.4	31.6
GE 12000	15.6	20.0	20.6	22.2	24.1	24.7	25.5	27.5	28.6	29.7	30.0	30.3	30.8	31.7	31.8	33.0
GE 10000	17.6	22.5	23.6	25.3	27.4	27.9	28.8	30.8	31.9	33.0	33.3	33.7	34.2	35.1	35.2	36.4
GE 9000	18.3	23.3	24.4	26.1	28.1	28.7	29.7	31.8	32.9	34.0	34.3	34.6	35.2	36.0	36.1	37.3
GE 8000	18.7	23.9	25.0	26.7	28.9	29.4	30.4	32.6	33.7	34.7	35.1	35.4	35.9	36.8	36.9	38.1
GE 7000	18.9	24.2	25.3	27.1	29.2	29.8	30.7	32.9	34.0	35.1	35.4	35.7	36.3	37.1	37.2	38.4
GE 6000	19.4	25.0	26.2	27.9	30.1	30.6	31.6	33.8	34.8	35.9	36.3	36.6	37.1	38.0	38.1	39.3
GE 5000	19.8	26.1	27.3	29.1	31.4	31.9	33.0	35.8	36.9	38.0	38.5	38.9	39.4	40.3	40.4	41.6
GE 4500	21.3	27.9	29.1	31.1	33.3	34.0	35.1	37.9	39.1	40.2	40.7	41.0	41.6	42.4	42.5	43.7
GE 4000	22.1	29.1	30.4	32.4	34.6	35.3	36.4	39.2	40.4	41.5	42.0	42.3	42.9	43.7	43.8	45.0
GE 3500	22.4	29.8	31.1	33.1	35.6	36.4	37.7	40.5	41.7	42.7	43.3	43.6	44.2	45.1	45.2	46.4
GE 3000	23.6	31.6	32.9	35.1	37.9	38.6	40.0	43.1	44.4	45.5	46.0	46.3	46.9	47.8	47.9	49.1
GE 2500	25.2	34.5	35.9	38.5	41.3	42.2	43.6	46.6	48.1	49.1	49.7	50.0	50.5	51.5	51.7	52.9
GE 2000	27.3	37.3	38.9	41.6	44.4	45.3	47.0	50.0	51.5	52.6	53.1	53.5	54.0	55.0	55.2	56.4
GE 1800	28.1	38.5	40.2	43.1	45.9	47.1	48.7	51.7	53.2	54.4	55.0	55.3	55.8	56.8	57.0	58.3
GE 1600	28.9	40.0	41.9	45.1	48.2	49.4	51.0	54.0	55.6	56.8	57.5	57.8	58.3	59.5	59.7	61.1
GE 1400	31.6	44.0	46.2	50.0	53.4	54.7	56.3	59.6	61.3	62.6	63.3	63.6	64.2	65.4	65.6	67.0
GE 1200	33.1	47.0	49.2	53.1	56.5	57.9	59.6	63.1	64.7	66.0	66.8	67.1	67.6	68.8	69.0	70.5
GE 1000	33.3	47.8	50.1	54.0	57.4	58.8	60.6	64.1	65.7	67.0	67.7	68.1	68.6	69.8	70.0	71.4
GE 900	33.4	48.8	51.1	55.0	58.5	60.0	62.0	65.5	67.1	68.4	69.2	69.5	70.0	71.2	71.4	72.8
GE 800	33.9	49.9	52.3	56.4	60.0	61.7	63.9	67.5	69.2	70.5	71.2	71.5	72.1	73.3	73.5	74.9
GE 600	34.2	51.3	54.1	58.4	62.4	64.9	67.2	70.9	72.7	74.0	74.9	75.2	75.8	76.9	77.2	78.6
GE 500	34.3	52.1	55.3	60.3	64.8	67.3	69.6	73.4	75.2	76.5	77.5	77.8	78.4	79.5	79.8	81.3
GE 400	34.4	53.4	56.8	62.4	67.4	70.1	72.5	76.5	78.6	79.9	80.8	81.3	81.8	83.0	83.2	84.7
GE 300	34.4	53.7	57.4	63.5	68.7	71.9	74.6	79.3	81.4	83.0	84.0	84.4	85.0	86.1	86.4	87.9
GE 200	34.5	54.1	57.8	64.4	69.9	73.1	76.0	81.6	83.7	85.6	86.6	87.0	87.6	88.9	89.1	90.6
GE 100	34.5	54.1	57.8	64.5	70.7	73.8	76.8	83.1	85.4	87.4	88.4	89.1	89.9	91.7	92.0	94.3
GE 0	34.5	54.1	57.8	64.5	70.6	74.0	77.2	83.5	85.9	88.2	89.5	90.3	91.1	94.4	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 924



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAG

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOYCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS: 1511: 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30
NO CEIL	11.7	14.6	15.1	15.8	16.4	17.9	18.1	19.4	19.8	20.5	20.6	20.6	20.6	20.8	20.9	21.1	
GE 20000	18.0	22.3	23.0	23.9	24.6	26.1	26.8	28.5	29.1	29.7	29.8	29.8	29.8	30.0	30.2	30.4	
GE 18000	18.1	22.5	23.1	24.0	24.9	26.2	26.9	28.6	29.2	29.8	29.9	29.9	29.9	30.2	30.3	30.5	
GE 16000	18.1	22.5	23.1	24.1	25.1	26.4	27.0	28.7	29.4	30.0	30.2	30.2	30.2	30.4	30.5	30.7	
GE 14000	18.4	22.9	23.5	24.5	25.5	26.8	27.4	29.2	29.8	30.5	30.6	30.6	30.6	30.8	30.9	31.1	
GE 12000	18.8	24.0	24.6	25.7	26.7	28.0	28.7	30.6	31.2	31.9	32.0	32.0	32.0	32.3	32.4	32.8	
GE 10000	19.7	25.5	26.2	27.4	28.4	29.7	30.5	32.5	33.2	33.8	33.9	33.9	33.9	34.3	34.4	34.7	
GE 9000	20.3	26.4	27.1	28.5	29.7	31.0	31.9	34.1	34.7	35.4	35.5	35.5	35.5	35.8	35.9	36.2	
GE 8000	20.5	26.9	27.7	29.1	30.3	31.6	32.4	34.7	35.4	36.0	36.1	36.1	36.1	36.4	36.6	36.9	
GE 7000	20.6	27.1	27.9	29.3	30.5	31.8	32.6	34.9	35.6	36.2	36.3	36.3	36.3	36.7	36.8	37.1	
GE 6000	21.0	27.8	28.6	30.0	31.2	32.5	33.4	35.7	36.3	37.0	37.1	37.1	37.1	37.4	37.5	37.9	
GE 5000	22.0	29.1	30.2	31.7	33.1	34.6	35.6	38.0	38.8	39.7	39.8	39.8	39.8	40.1	40.2	40.6	
GE 4500	23.0	31.0	32.2	34.1	35.6	37.1	38.3	40.8	41.8	42.6	42.7	42.7	42.7	43.1	43.2	43.5	
GE 4000	23.6	31.9	33.2	35.0	36.6	38.4	39.6	42.2	43.2	44.0	44.1	44.1	44.1	44.5	44.6	44.9	
GE 3500	24.1	32.6	34.1	35.9	37.4	39.3	40.5	43.1	44.0	44.9	45.0	45.0	45.0	45.3	45.4	45.8	
GE 3000	25.6	34.3	35.7	37.6	39.2	41.0	42.2	44.8	45.8	46.6	46.7	46.7	46.7	47.1	47.2	47.5	
GE 2500	28.2	37.7	39.2	41.2	42.9	44.8	46.0	48.7	49.7	50.5	50.7	50.7	50.7	51.0	51.1	51.4	
GE 2000	32.1	43.1	44.9	47.1	49.1	51.3	52.6	55.3	56.3	57.2	57.3	57.3	57.3	57.6	57.7	58.0	
GE 1800	34.6	46.3	48.2	50.3	52.5	54.7	56.0	58.7	59.7	60.5	60.6	60.6	60.6	61.0	61.1	61.4	
GE 1500	36.2	48.9	51.1	53.3	55.6	57.8	59.1	61.8	62.8	63.7	63.8	63.8	63.8	64.1	64.2	64.5	
GE 1200	38.9	53.3	56.2	58.6	61.3	63.6	64.9	67.7	68.7	69.5	69.6	69.6	69.6	70.0	70.1	70.4	
GE 1000	40.5	56.0	59.4	61.9	64.6	66.9	68.2	71.0	72.0	73.0	73.1	73.1	73.1	73.4	73.5	73.9	
GE 900	40.9	57.2	60.7	63.7	66.4	68.8	70.2	73.0	74.0	74.9	75.1	75.1	75.1	75.4	75.5	75.8	
GE 800	41.4	59.1	63.0	66.2	69.7	71.5	73.1	75.9	76.9	77.9	78.0	78.0	78.0	78.3	78.4	78.7	
GE 700	42.2	60.8	64.9	68.4	71.3	73.8	75.5	78.6	79.6	80.6	80.7	80.7	80.7	81.0	81.1	81.5	
GE 600	42.5	62.0	66.2	69.8	73.1	75.8	77.7	81.3	82.4	83.4	83.5	83.5	83.5	83.9	83.9	84.3	
GE 500	42.7	62.6	66.8	71.3	74.6	77.5	79.8	83.7	85.0	86.3	86.4	86.4	86.4	86.8	86.9	87.2	
GE 400	42.8	63.0	67.5	72.3	76.4	79.6	82.5	86.6	87.9	89.3	89.5	89.6	89.6	89.9	90.0	90.3	
GE 300	42.9	63.2	67.9	73.2	77.3	80.7	84.1	88.4	89.8	91.4	92.0	92.3	92.3	92.6	92.7	93.1	
GE 200	42.9	63.3	68.0	73.5	77.9	81.5	84.9	89.7	91.1	93.1	93.6	94.0	94.3	94.6	94.7	95.0	
GE 100	42.8	63.3	68.0	73.6	78.2	81.8	85.4	90.3	91.8	94.0	94.9	95.4	96.0	97.0	97.2	98.0	
GE 0	42.9	63.3	68.0	73.6	78.2	81.8	85.4	90.3	91.9	94.1	95.1	95.8	96.4	97.8	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GE 160	GE 90	GE 30	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 9	GE 5	GE 4	GE 0
NO CEIL	1	13.2	16.2	16.4	17.4	18.6	18.6	18.8	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
GE 20000	20.9	24.3	24.7	25.8	27.0	27.0	27.3	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
GE 18000	21.0	24.5	24.8	25.9	27.1	27.1	27.4	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
GE 16000	21.0	24.5	24.8	25.9	27.1	27.1	27.4	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
GE 14000	21.6	25.1	25.4	26.5	27.7	27.7	28.1	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
GE 12000	22.1	25.5	25.9	27.0	28.2	28.2	28.5	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
GE 10000	27.6	27.2	27.5	28.6	29.8	29.8	30.1	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 9000	24.2	27.8	28.3	29.4	30.6	30.6	30.9	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
GE 8000	24.5	28.3	28.7	29.8	31.2	31.2	31.6	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 7000	24.5	28.4	28.8	29.9	31.3	31.3	31.7	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 6000	24.7	28.7	29.1	30.3	31.8	31.8	32.2	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 5000	27.0	32.0	32.4	33.8	35.4	35.4	36.2	36.8	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 4500	29.4	33.6	34.5	36.2	37.6	37.6	38.2	38.6	39.2	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 4000	30.5	36.2	37.2	39.3	40.8	41.3	41.8	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 3500	32.2	38.1	39.1	41.2	42.9	43.3	43.9	44.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 3000	34.5	41.7	42.7	44.8	46.6	47.1	47.6	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 2500	41.9	49.6	50.7	53.1	54.9	55.3	55.9	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 2000	47.4	57.0	58.2	60.7	63.7	63.4	64.0	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 1800	49.1	59.4	60.6	63.2	65.5	65.9	66.6	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 1500	51.2	63.3	64.8	67.8	70.7	70.6	71.6	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 1200	52.8	67.5	69.5	73.4	76.0	76.4	77.5	78.2	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1000	53.7	68.7	71.0	75.2	78.1	78.6	79.9	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 900	54.4	69.4	71.9	76.3	79.4	80.0	81.3	82.4	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 800	55.0	70.5	73.5	78.2	81.3	82.4	83.7	84.9	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 700	55.3	71.6	74.9	79.8	83.6	84.7	86.4	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 600	55.5	72.7	76.4	81.6	86.2	87.4	89.2	90.7	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 500	55.7	73.5	77.4	83.2	88.2	89.7	91.6	93.1	93.6	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 400	55.7	73.8	77.8	84.0	89.2	90.7	92.7	94.3	94.9	95.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 300	55.7	73.9	78.1	84.6	90.0	91.7	94.0	95.6	96.3	96.7	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 200	55.7	73.9	78.1	84.7	90.1	91.9	94.4	96.2	97.2	97.7	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 100	55.7	73.9	78.1	84.7	90.2	92.0	94.7	96.4	97.5	98.4	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	55.7	73.9	78.1	84.7	90.7	92.0	94.7	96.5	97.6	98.6	99.5	99.8	99.8	99.9	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: 805COMPL DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 30	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	15.0	17.0	17.5	18.9	20.1	20.2	20.3	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 20000	25.9	29.0	29.5	31.1	32.3	32.4	32.5	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 18000	26.2	29.3	29.8	31.5	32.6	32.8	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
GE 16000	26.7	29.3	29.8	31.5	32.6	32.8	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
GE 14000	26.6	29.7	30.3	31.9	33.1	33.2	33.3	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 12000	27.3	30.7	31.3	33.0	34.2	34.3	34.4	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 10000	28.5	32.1	32.9	34.8	36.1	36.1	36.2	37.0	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 9000	29.4	33.2	33.9	36.2	37.4	37.5	37.6	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 8000	30.0	33.8	34.6	36.9	38.1	38.2	38.3	39.0	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 7000	30.2	34.1	34.8	37.1	38.3	38.4	38.5	39.3	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 6000	31.1	35.4	36.1	38.4	39.6	39.7	39.8	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 5000	33.1	38.4	39.3	41.6	43.0	43.1	43.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 4500	35.5	41.3	42.3	44.9	46.2	46.3	46.6	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 4000	37.5	44.0	45.0	47.8	49.6	49.7	50.1	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 3500	38.6	45.6	46.6	49.6	51.3	51.4	51.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 3000	40.6	48.0	49.1	52.1	53.8	54.0	54.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 2500	44.1	52.5	53.7	56.9	58.8	59.0	59.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 2000	50.0	60.1	61.4	65.2	67.2	67.6	68.2	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 1800	51.3	62.0	63.4	67.4	69.4	69.7	70.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 1500	53.4	65.3	66.9	71.3	73.4	73.8	74.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 1200	55.5	69.4	71.3	76.7	79.5	79.9	80.7	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 1000	55.9	70.6	72.7	78.3	81.3	82.1	83.0	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 900	56.2	71.5	73.8	79.5	82.5	83.3	84.2	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 800	56.4	72.7	75.3	81.2	84.5	85.4	86.3	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 700	56.5	73.5	76.2	82.5	86.8	87.0	88.0	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 600	56.8	74.5	77.4	83.7	87.7	88.7	89.9	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 500	56.8	74.6	77.9	84.5	88.6	89.9	91.1	93.9	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 400	56.9	75.2	78.3	85.1	89.6	91.0	92.2	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 300	56.9	75.3	78.5	85.8	90.3	92.0	93.4	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 200	56.9	75.5	78.9	86.3	90.9	92.6	94.0	97.7	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 100	56.9	75.5	78.9	86.3	90.9	92.8	94.4	98.2	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	56.9	75.5	78.9	86.3	90.9	92.8	94.4	98.2	98.4	99.5	99.6	99.6	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	20.7	24.0	24.3	25.3	26.5	27.5	27.8	28.8	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3
GE 20000	28.0	32.6	33.1	34.4	36.3	37.0	37.4	38.7	39.0	39.2	39.2	39.3	39.3	39.3	39.3	39.3
GE 18000	28.1	32.7	33.2	34.5	36.4	37.1	37.5	38.8	39.1	39.3	39.3	39.4	39.4	39.4	39.4	39.4
GE 16000	28.3	33.0	33.6	34.9	36.7	37.5	37.8	39.1	39.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7
GE 14000	28.6	33.2	33.8	35.1	36.9	37.7	38.0	39.3	39.6	39.8	39.8	40.0	40.0	40.0	40.0	40.0
GE 12000	28.9	33.8	34.3	35.9	37.8	38.5	38.9	40.2	40.5	40.7	40.7	40.8	40.8	40.8	40.8	40.8
GE 10000	30.7	36.2	36.7	38.5	40.4	41.2	41.5	42.8	43.1	43.3	43.3	43.4	43.4	43.4	43.4	43.4
GE 9000	31.7	37.6	38.1	40.0	41.8	42.6	42.9	44.2	44.6	44.8	44.8	45.0	45.0	45.0	45.0	45.0
GE 8000	31.9	37.8	38.3	40.3	42.1	42.9	43.2	44.5	45.1	45.3	45.3	45.4	45.4	45.4	45.4	45.4
GE 7000	31.9	37.9	38.4	40.4	42.2	43.0	43.3	44.6	45.2	45.4	45.4	45.5	45.5	45.5	45.5	45.5
GE 6000	32.5	38.5	39.2	41.2	43.1	43.9	44.2	45.5	46.0	46.3	46.3	46.4	46.4	46.4	46.4	46.4
GE 5000	34.0	40.7	41.5	43.4	45.5	46.4	46.7	48.1	48.8	49.0	49.0	49.1	49.1	49.1	49.1	49.1
GE 4500	35.4	42.5	43.4	45.5	47.6	48.4	48.8	50.2	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.2
GE 4000	36.5	44.2	45.2	47.6	49.8	50.7	51.0	52.6	53.2	53.4	53.5	53.6	53.6	53.6	53.6	53.6
GE 3500	38.3	46.3	47.2	49.6	52.0	52.9	53.2	54.7	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8
GE 3000	40.9	50.1	51.2	53.7	56.7	57.5	58.0	59.6	60.3	60.5	60.6	60.7	60.7	60.7	60.7	60.7
GE 2500	43.2	53.3	54.6	57.3	60.5	61.3	61.9	63.7	64.4	64.6	64.7	65.0	65.0	65.0	65.0	65.0
GE 2000	45.4	57.0	58.7	62.2	65.9	67.1	67.9	69.8	70.6	70.8	70.9	71.3	71.3	71.3	71.3	71.3
GE 1800	46.4	58.2	60.2	64.0	67.6	68.8	69.6	71.7	72.4	72.6	72.7	73.2	73.2	73.2	73.2	73.2
GE 1500	47.7	60.8	62.9	67.0	70.8	72.0	73.2	75.4	76.1	76.3	76.4	76.9	76.9	76.9	76.9	76.9
GE 1200	48.6	64.3	66.6	71.0	75.0	76.2	77.4	79.6	80.3	80.6	80.7	81.1	81.1	81.1	81.1	81.1
GE 1000	49.0	65.3	67.6	72.4	76.5	77.7	78.9	81.2	82.0	82.2	82.3	82.7	82.7	82.7	82.7	82.7
GE 900	49.1	65.8	68.2	73.0	77.4	78.7	79.9	82.2	83.0	83.2	83.3	83.7	83.7	83.7	83.7	83.7
GE 800	49.1	66.1	68.8	73.8	78.5	79.8	81.1	83.4	84.1	84.4	84.5	84.9	84.9	84.9	84.9	84.9
GE 700	49.3	67.0	69.7	75.0	80.0	81.3	82.6	85.2	86.0	86.2	86.3	86.8	86.8	86.8	86.8	86.8
GE 600	49.3	67.4	70.4	75.9	81.2	82.7	84.4	87.1	87.8	88.2	88.4	88.9	88.9	88.9	88.9	88.9
GE 500	49.5	68.1	71.4	77.1	82.4	83.9	85.6	88.3	89.0	89.4	89.6	90.1	90.1	90.1	90.1	90.1
GE 400	49.9	69.3	72.7	78.7	84.4	86.0	87.7	90.4	91.4	91.7	92.0	92.5	92.5	92.5	92.5	92.5
GE 300	49.9	69.6	73.3	79.7	85.6	87.5	89.5	92.4	93.5	94.1	94.5	95.0	95.0	95.0	95.0	95.0
GE 200	49.9	69.7	73.4	80.1	86.3	88.4	90.7	94.1	95.4	96.4	96.7	97.3	97.3	97.3	97.3	97.3
GE 100	49.9	69.7	73.5	80.2	86.4	88.6	91.0	94.7	96.1	97.4	98.0	98.6	98.8	98.9	98.9	99.0
GE 0	49.9	69.7	73.5	80.2	86.4	88.6	91.0	94.7	96.2	97.5	98.6	99.1	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GE 160	GE 90	GE 90	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		24.1	28.7	29.5	30.7	31.4	32.5	33.7	34.6	34.9	35.0	35.5	35.5	35.5	35.7	35.7	35.8
GE 20000		29.6	35.0	35.9	37.1	38.3	39.5	40.9	42.3	42.6	42.7	43.2	43.3	43.3	43.5	43.5	43.6
GE 18000		29.6	35.0	35.9	37.1	38.3	39.5	40.9	42.3	42.6	42.7	43.2	43.3	43.3	43.5	43.5	43.6
GE 16000		29.6	35.0	35.9	37.1	38.3	39.5	40.9	42.3	42.6	42.7	43.2	43.3	43.3	43.5	43.5	43.6
GE 14000		30.1	35.5	36.5	37.8	39.0	40.2	41.6	43.0	43.2	43.3	43.9	44.0	44.0	44.2	44.2	44.3
GE 12000		30.2	35.8	36.9	38.5	40.0	41.2	42.6	44.0	44.2	44.3	44.9	45.0	45.0	45.2	45.2	45.3
GE 10000		30.6	36.4	37.5	39.1	40.5	41.7	43.1	44.5	44.7	44.8	45.4	45.5	45.5	45.7	45.7	45.8
GE 9000		30.8	37.4	38.4	40.3	41.7	42.9	44.3	45.7	46.1	46.3	46.8	46.9	46.9	47.1	47.1	47.2
GE 8000		30.8	37.7	38.8	40.6	42.0	43.2	44.6	46.0	46.5	46.6	47.1	47.2	47.2	47.4	47.4	47.6
GE 7000		30.8	37.8	38.9	40.8	42.2	43.4	44.8	46.3	46.7	46.8	47.3	47.4	47.4	47.7	47.7	47.8
GE 6000		31.6	39.1	40.2	42.1	43.5	44.7	46.1	47.6	48.0	48.1	48.6	48.8	48.8	49.0	49.0	49.1
GE 5000		32.7	41.0	42.6	44.8	46.4	47.9	49.3	50.7	51.4	51.6	52.1	52.2	52.2	52.4	52.4	52.6
GE 4500		33.4	42.6	44.2	46.5	48.0	49.6	51.0	52.4	53.1	53.3	53.9	54.0	54.0	54.2	54.2	54.3
GE 4000		34.3	43.8	45.4	47.8	49.4	51.0	52.7	54.2	54.8	55.0	55.6	55.7	55.7	55.9	55.9	56.0
GE 3500		35.6	45.3	47.0	49.6	51.2	53.0	54.6	56.1	56.8	57.0	57.5	57.7	57.7	57.9	57.9	58.0
GE 3000		36.8	47.1	48.9	51.7	54.0	55.7	57.5	59.1	59.7	59.9	60.5	60.6	60.6	60.8	60.8	60.9
GE 2500		38.3	49.3	51.0	54.2	56.5	58.4	60.3	61.8	62.5	62.8	63.3	63.4	63.4	63.6	63.6	63.7
GE 2000		39.7	51.6	53.5	56.9	59.5	61.5	63.3	65.1	65.9	66.2	66.9	67.0	67.0	67.2	67.2	67.3
GE 1800		41.0	53.7	55.9	59.4	62.0	64.0	65.9	67.8	68.5	68.8	69.5	69.6	69.6	69.8	69.8	69.9
GE 1500		42.6	56.5	58.7	62.3	65.4	67.3	69.4	71.2	72.0	72.3	73.0	73.1	73.1	73.3	73.3	73.4
GE 1200		43.3	58.3	61.0	64.7	68.0	69.9	72.0	73.9	74.7	75.0	75.7	75.8	76.0	76.2	76.2	76.3
GE 1000		43.6	59.7	62.5	66.4	69.7	71.7	73.7	75.7	76.4	76.8	77.4	77.5	77.7	78.0	78.0	78.1
GE 900		43.8	60.2	63.1	67.3	70.8	72.7	74.8	76.8	77.5	77.9	78.5	78.6	78.8	79.0	79.0	79.2
GE 800		43.9	61.1	64.2	68.5	72.0	73.9	76.0	78.1	78.8	79.2	79.8	79.9	80.1	80.3	80.3	80.5
GE 700		44.2	62.2	65.7	70.0	73.6	75.6	77.7	79.9	80.7	81.0	81.7	81.8	82.0	82.2	82.2	82.3
GE 600		44.3	63.1	66.7	71.3	75.4	77.3	79.9	82.3	83.1	83.4	84.0	84.1	84.4	84.6	84.6	84.7
GE 500		44.6	64.1	67.9	72.6	76.8	78.8	81.5	83.9	84.7	85.0	85.8	85.9	86.1	86.3	86.3	86.4
GE 400		45.3	65.3	69.3	74.8	79.2	81.4	84.1	86.6	87.6	88.1	88.8	88.9	89.1	89.4	89.4	89.5
GE 300		45.4	66.0	70.2	76.1	80.9	84.0	87.0	90.2	91.3	91.7	92.5	92.6	92.8	93.1	93.1	93.2
GE 200		45.4	66.3	70.8	77.0	82.0	85.5	88.4	92.1	93.2	93.8	94.6	94.7	94.9	95.1	95.1	95.2
GE 100		45.4	66.3	70.8	77.0	82.0	85.5	88.4	92.6	94.2	95.8	96.7	96.9	97.1	97.4	97.4	97.7
GE 0		45.4	66.3	70.8	77.0	82.0	85.5	88.4	92.6	94.2	95.9	97.0	97.3	97.7	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 90	GE 60	GE 42	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.1	19.5	20.0	21.2	22.3	22.9	23.5	24.6	25.0	25.4	25.5	25.5	25.7	26.0	26.0	26.3
GE 20000	22.5	27.1	27.8	29.1	30.4	31.1	31.8	33.2	33.6	34.0	34.2	34.2	34.4	34.7	34.7	35.0
GE 18000	22.6	27.2	27.9	29.2	30.5	31.2	31.9	33.3	33.7	34.1	34.3	34.3	34.5	34.8	34.8	35.1
GE 16000	22.6	27.2	27.9	29.3	30.6	31.2	32.0	33.4	33.8	34.2	34.3	34.4	34.6	34.9	34.9	35.2
GE 14000	23.0	27.7	28.4	29.7	31.0	31.7	32.5	33.9	34.4	34.8	34.9	35.0	35.1	35.5	35.5	35.8
GE 12000	23.4	28.3	29.1	30.5	31.9	32.6	33.4	34.8	35.3	35.8	35.9	36.0	36.1	36.4	36.5	36.8
GE 10000	24.6	29.9	30.8	32.4	33.7	34.5	35.3	36.8	37.3	37.7	37.8	37.9	38.1	38.4	38.4	38.7
GE 9000	25.2	30.6	31.7	33.4	34.8	35.6	36.4	38.0	38.5	38.9	39.0	39.1	39.3	39.6	39.6	39.9
GE 8000	25.4	31.2	32.1	33.8	35.3	36.0	36.9	38.4	39.0	39.4	39.5	39.6	39.8	40.1	40.1	40.4
GE 7000	25.5	31.4	32.3	34.0	35.5	36.2	37.1	38.6	39.2	39.6	39.7	39.8	40.0	40.3	40.3	40.6
GE 6000	26.0	32.2	33.2	35.0	36.5	37.2	38.0	39.6	40.2	40.6	40.7	40.8	41.0	41.3	41.3	41.6
GE 5000	27.4	34.3	35.4	37.4	39.1	39.8	40.8	42.6	43.2	43.7	43.9	44.0	44.1	44.4	44.5	44.8
GE 4500	28.7	36.0	37.3	39.4	41.0	41.9	42.8	44.7	45.4	45.9	46.1	46.2	46.3	46.7	46.7	47.0
GE 4000	29.8	37.6	38.9	41.2	42.9	43.8	44.9	46.8	47.5	48.0	48.2	48.3	48.4	48.7	48.8	49.1
GE 3500	30.8	38.9	40.2	42.5	44.4	45.3	46.4	48.3	49.0	49.6	49.7	49.8	50.0	50.3	50.3	50.6
GE 3000	32.7	41.3	42.7	45.2	47.2	48.2	49.4	51.4	52.1	52.6	52.8	52.9	53.0	53.4	53.4	53.7
GE 2500	35.6	45.2	46.8	49.5	51.6	52.7	53.9	55.9	56.7	57.2	57.4	57.5	57.6	58.0	58.1	58.4
GE 2000	38.7	49.6	51.4	54.3	56.8	57.9	59.2	61.4	62.2	62.7	62.9	63.0	63.2	63.5	63.6	63.9
GE 1800	39.9	51.3	53.2	56.3	58.8	60.0	61.3	63.5	64.3	64.9	65.0	65.2	65.3	65.7	65.7	66.0
GE 1500	41.3	53.8	55.9	59.2	61.9	63.2	64.6	66.8	67.7	68.3	68.5	68.6	68.8	69.1	69.2	69.5
GE 1200	43.0	57.2	59.6	63.6	66.6	67.9	69.4	71.8	72.7	73.3	73.5	73.6	73.8	74.2	74.3	74.6
GE 1000	43.8	59.1	61.8	65.9	69.0	70.4	72.0	74.5	75.4	76.0	76.3	76.4	76.6	76.9	77.0	77.4
GE 900	44.1	59.9	62.7	67.0	70.2	71.7	73.2	75.8	76.8	77.4	77.6	77.8	77.9	78.3	78.4	78.7
GE 800	44.5	61.0	64.1	68.4	71.8	73.4	75.0	77.7	78.7	79.3	79.5	79.7	79.9	80.2	80.3	80.7
GE 700	44.8	62.0	65.2	69.8	73.3	75.0	76.8	79.7	80.7	81.3	81.5	81.7	81.9	82.2	82.3	82.7
GE 600	45.0	63.1	66.5	71.4	75.3	77.2	79.1	82.2	83.3	84.0	84.2	84.4	84.6	84.9	85.0	85.4
GE 500	45.2	63.8	67.6	72.8	76.9	79.0	81.0	84.2	85.3	86.0	86.3	86.5	86.7	87.1	87.1	87.5
GE 400	45.4	64.5	68.4	74.1	78.5	80.8	83.0	86.3	87.5	88.3	88.7	88.9	89.1	89.5	89.5	89.9
GE 300	45.5	65.0	69.1	75.3	80.0	82.5	84.9	88.8	90.1	91.0	91.5	91.7	91.9	92.3	92.4	92.8
GE 200	45.5	65.2	69.4	75.8	80.7	83.5	86.0	90.3	91.8	93.0	93.5	93.7	93.9	94.4	94.4	94.8
GE 100	45.5	65.2	69.4	75.9	81.0	83.9	86.6	91.2	92.8	94.4	95.2	95.5	95.9	96.5	96.6	97.4
GE 0	45.5	65.2	69.4	75.9	81.0	83.9	86.6	91.3	93.0	94.7	95.6	96.0	96.5	97.8	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7369

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	21.3	31.2	32.7	35.3	36.6	37.3	38.1	39.2	39.6	39.7	39.8	39.8	40.0	40.1	40.2	40.7
GE 20000	27.1	39.1	40.8	43.8	45.0	46.5	47.5	49.3	49.7	49.8	49.9	49.9	50.1	50.3	50.4	50.9
GE 18000	27.7	39.2	40.9	43.9	46.0	46.6	47.6	49.4	49.8	49.9	50.0	50.0	50.2	50.4	50.6	51.0
GE 16000	27.2	39.2	40.9	43.9	46.0	46.6	47.6	49.4	49.8	49.9	50.0	50.0	50.2	50.4	50.6	51.0
GE 14000	27.5	39.7	41.5	44.5	46.5	47.2	48.2	50.0	50.3	50.4	50.6	50.6	50.8	51.0	51.1	51.6
GE 12000	27.9	40.1	42.0	45.1	47.1	47.8	48.8	50.6	50.9	51.0	51.1	51.1	51.3	51.6	51.7	52.1
GE 10000	29.1	41.8	43.7	46.9	49.1	49.8	50.9	52.8	53.1	53.3	53.4	53.4	53.6	53.8	53.9	54.4
GE 9000	29.3	42.4	44.5	47.6	50.0	50.7	51.9	53.8	54.3	54.5	54.6	54.6	54.8	55.1	55.2	55.6
GE 8000	29.6	42.6	44.7	47.9	50.3	51.0	52.2	54.2	54.6	54.8	54.9	54.9	55.2	55.4	55.5	56.0
GE 7000	29.6	43.0	45.2	48.4	51.1	51.8	53.0	54.9	55.4	55.6	55.7	55.7	56.0	56.2	56.3	56.7
GE 6000	30.2	43.7	45.8	49.4	52.1	52.8	54.2	56.1	56.5	56.7	56.9	56.9	57.1	57.3	57.4	57.9
GE 5000	30.9	45.8	48.2	51.8	54.8	55.8	57.3	59.3	60.0	60.3	60.4	60.4	60.7	60.9	61.0	61.5
GE 4500	31.5	47.4	50.0	53.8	57.8	58.9	60.4	62.5	63.1	63.5	63.6	63.6	63.8	64.0	64.2	64.6
GE 4000	32.4	48.7	51.6	55.6	59.7	60.8	62.6	64.8	65.6	66.0	66.1	66.1	66.3	66.5	66.6	67.1
GE 3500	33.0	49.7	52.6	56.9	60.9	62.0	63.9	66.6	67.4	67.8	67.9	67.9	68.1	68.3	68.4	68.9
GE 3000	34.6	52.2	55.4	59.7	63.4	65.2	67.1	69.9	70.7	71.0	71.1	71.1	71.3	71.6	71.7	72.1
GE 2500	35.6	53.9	57.2	61.6	66.1	67.4	69.3	72.2	73.0	73.4	73.5	73.5	73.7	73.9	74.0	74.5
GE 2000	37.0	56.7	60.0	64.6	69.3	70.7	72.6	75.5	76.3	76.6	76.7	76.7	77.0	77.2	77.3	77.8
GE 1800	37.6	58.2	61.5	66.3	71.2	72.6	74.5	77.4	78.2	78.5	78.7	78.7	78.9	79.1	79.2	79.7
GE 1500	38.8	60.6	63.9	69.0	74.0	75.5	77.4	80.3	81.3	81.7	81.8	81.8	82.0	82.2	82.4	82.8
GE 1200	39.8	62.8	66.2	71.5	76.6	78.1	80.0	83.1	84.2	84.5	84.6	84.6	84.9	85.1	85.2	85.6
GE 1000	40.1	64.0	67.9	73.5	78.7	80.1	82.0	85.2	86.2	86.5	86.6	86.6	86.9	87.1	87.2	87.6
GE 900	40.4	65.4	69.2	74.8	80.0	81.5	83.4	86.7	87.8	88.1	88.2	88.2	88.4	88.7	88.8	89.2
GE 800	40.7	65.7	69.6	75.2	80.4	81.9	83.8	87.3	88.3	88.7	88.8	88.8	89.0	89.2	89.3	89.8
GE 700	40.8	66.6	70.7	76.4	81.7	83.3	85.2	88.8	89.8	90.1	90.2	90.2	90.4	90.7	90.8	91.2
GE 600	41.0	67.3	71.8	77.8	83.3	84.9	86.9	90.4	91.5	91.8	91.9	91.9	92.1	92.4	92.5	92.9
GE 500	41.0	68.0	72.5	78.4	83.9	85.8	87.8	91.3	92.4	92.7	92.8	92.8	93.0	93.3	93.4	93.8
GE 400	41.0	68.7	73.4	79.3	84.9	87.0	89.1	92.8	93.9	94.3	94.4	94.4	94.6	94.8	94.9	95.4
GE 300	41.0	68.9	73.6	79.8	86.1	88.4	90.8	95.1	96.2	96.5	96.6	96.6	96.9	97.1	97.2	97.6
GE 200	41.0	68.9	73.6	79.8	86.1	88.4	90.8	95.2	96.4	96.9	97.0	97.0	97.2	97.4	97.5	98.0
GE 100	41.0	68.9	73.6	79.8	86.1	88.5	90.9	95.4	97.0	97.5	97.6	97.6	97.8	98.0	98.3	98.8
GE 0	41.0	68.9	73.6	79.8	86.1	88.5	90.9	95.4	97.0	97.6	97.8	97.9	98.2	98.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0300-0500

CEILING IN FEET	1	VISIBILITY IN HUNDREDS OF METERS															
		GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	15.6	22.6	25.3	28.3	30.7	32.0	32.4	33.1	33.5	33.9	34.0	34.1	34.3	34.5	34.5	34.9
GE 20000	1	19.3	29.9	33.0	36.2	39.3	41.0	42.0	43.2	43.6	43.9	44.1	44.2	44.4	44.8	44.8	45.2
GE 18000	1	19.3	29.9	33.0	36.2	39.3	41.0	42.0	43.2	43.6	43.9	44.1	44.2	44.4	44.8	44.8	45.2
GE 16000	1	19.3	29.9	33.0	36.2	39.3	41.0	42.0	43.2	43.6	43.9	44.1	44.2	44.4	44.8	44.8	45.2
GE 14000	1	19.5	30.2	33.2	36.5	39.7	41.4	42.4	43.5	43.9	44.3	44.4	44.5	44.7	45.2	45.2	45.5
GE 12000	1	19.7	30.9	34.0	37.3	40.5	42.2	43.4	44.5	45.0	45.3	45.4	45.5	45.7	46.2	46.2	46.5
GE 10000	1	20.7	32.5	35.5	39.0	42.2	43.9	45.2	46.3	46.9	47.2	47.3	47.4	47.6	48.1	48.1	48.4
GE 9000	1	21.0	33.1	36.1	39.8	42.9	44.7	46.0	47.1	47.6	48.0	48.1	48.2	48.4	48.9	48.9	49.2
GE 8000	1	21.0	33.2	36.3	40.0	43.2	45.0	46.2	47.3	47.9	48.2	48.3	48.4	48.7	49.1	49.1	49.4
GE 7000	1	21.3	33.6	36.9	40.6	43.8	45.6	46.9	48.0	48.5	48.9	49.0	49.1	49.3	49.8	49.8	50.1
GE 6000	1	22.3	35.0	38.2	41.9	45.2	47.1	48.3	49.6	50.2	50.6	50.8	50.9	51.1	51.6	51.6	51.9
GE 5000	1	23.1	36.9	40.4	44.2	47.9	49.9	51.8	53.1	53.9	54.3	54.5	54.6	54.8	55.4	55.4	55.9
GE 4500	1	23.7	37.8	41.4	45.6	49.4	51.5	53.4	55.0	55.8	56.2	56.4	56.5	56.7	57.3	57.3	57.8
GE 4000	1	24.0	38.3	42.2	46.5	50.8	52.8	54.8	56.7	57.7	58.2	58.4	58.5	58.7	59.3	59.3	60.0
GE 3500	1	24.2	39.0	42.8	47.3	51.6	53.6	55.6	57.5	58.7	59.2	59.5	59.6	59.9	60.4	60.4	61.1
GE 3000	1	25.4	41.6	46.0	50.6	54.8	57.0	59.1	61.2	62.7	63.1	63.5	63.6	63.8	64.3	64.3	65.0
GE 2500	1	25.9	42.6	47.1	51.7	56.1	58.2	60.3	62.4	63.9	64.3	64.7	64.8	65.1	65.7	65.7	66.4
GE 2000	1	27.2	46.0	50.8	55.7	60.1	62.4	64.7	66.8	68.3	68.7	69.1	69.2	69.5	70.1	70.1	70.7
GE 1800	1	28.3	48.4	53.5	58.5	63.1	65.5	67.7	69.8	71.3	71.7	72.1	72.2	72.5	73.1	73.1	73.8
GE 1500	1	30.5	51.6	56.6	61.9	66.5	68.9	71.2	73.3	74.9	75.4	75.8	75.9	76.2	76.8	76.8	77.5
GE 1200	1	31.5	54.1	59.3	64.7	69.7	72.4	74.8	76.9	78.5	79.0	79.4	79.5	79.9	80.5	80.5	81.2
GE 1000	1	32.2	56.2	61.5	67.0	72.2	74.9	77.2	79.4	80.9	81.5	81.8	82.0	82.4	83.0	83.0	83.6
GE 900	1	32.2	56.7	62.3	67.9	73.1	75.9	78.5	80.7	82.3	82.8	83.2	83.3	83.7	84.3	84.3	85.0
GE 800	1	32.4	57.3	63.0	68.7	74.0	76.8	79.4	81.8	83.6	84.2	84.5	84.6	85.1	85.7	85.7	86.3
GE 700	1	32.6	58.2	64.0	69.8	75.2	78.0	80.8	83.3	85.1	85.7	86.0	86.1	86.5	87.1	87.1	87.8
GE 600	1	32.8	58.5	64.7	70.9	76.3	79.3	82.2	84.8	86.5	87.1	87.4	87.6	88.0	88.6	88.6	89.2
GE 500	1	32.8	59.1	65.4	71.7	77.2	80.4	83.3	86.0	87.8	88.3	88.7	88.8	89.2	89.8	89.8	90.5
GE 400	1	32.8	59.6	66.0	72.6	78.3	81.6	84.6	87.6	89.3	90.0	90.4	90.5	90.9	91.5	91.5	92.2
GE 300	1	33.0	60.1	66.8	73.9	79.9	83.3	86.9	90.4	92.2	92.8	93.7	93.3	93.7	94.3	94.3	95.0
GE 200	1	33.0	60.1	66.9	74.1	80.2	84.0	87.8	91.6	93.5	94.3	94.6	94.7	95.2	95.7	95.7	96.4
GE 100	1	33.0	60.1	66.9	74.1	80.2	84.1	88.0	92.3	94.2	95.5	95.9	96.0	96.4	97.0	97.0	97.6
GE 0	1	33.0	60.1	66.9	74.1	80.2	84.1	88.0	92.3	94.2	95.5	95.9	96.0	96.4	97.0	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 892



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037469 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	13.3	20.1	21.2	23.7	25.1	25.9	26.8	28.4	28.8	29.2	29.5	29.5	29.5	29.5	29.5	29.6
GE 20000	17.5	26.9	28.7	32.2	34.4	35.5	36.8	38.5	39.0	39.3	39.8	39.9	40.0	40.0	40.0	40.1
GE 18000	17.7	27.2	28.9	32.4	34.7	35.9	37.1	38.9	39.3	39.7	40.1	40.2	40.3	40.3	40.3	40.4
GE 16000	17.8	27.3	29.1	32.6	35.0	36.1	37.3	39.1	39.6	39.9	40.3	40.4	40.6	40.6	40.6	40.7
GE 14000	18.4	28.2	30.1	33.6	36.1	37.2	38.4	40.2	40.7	41.1	41.6	41.7	41.8	41.8	41.8	41.9
GE 12000	19.1	29.4	31.3	35.2	37.7	38.8	40.0	41.9	42.3	42.8	43.4	43.5	43.6	43.6	43.6	43.7
GE 10000	20.2	31.7	33.7	37.9	40.9	42.0	43.4	45.3	45.7	46.1	46.7	46.8	46.9	46.9	46.9	47.0
GE 9000	20.4	32.2	34.3	38.5	41.6	42.7	44.0	45.9	46.4	46.9	47.5	47.6	47.7	47.7	47.7	47.8
GE 8000	20.4	32.5	34.6	39.0	42.0	43.1	44.5	46.4	46.8	47.4	47.9	48.0	48.2	48.2	48.2	48.3
GE 7000	20.6	33.2	35.3	39.7	42.7	43.8	45.1	47.0	47.5	48.0	48.6	48.7	48.8	48.8	48.8	48.9
GE 6000	21.1	34.0	36.1	40.8	43.8	45.0	46.4	48.5	48.9	49.5	50.1	50.2	50.3	50.3	50.3	50.4
GE 5000	22.7	36.2	38.7	43.6	46.8	48.0	49.7	52.3	52.8	53.4	54.1	54.3	54.4	54.5	54.5	54.6
GE 4500	23.4	38.1	40.8	45.7	49.2	50.4	52.1	54.7	55.4	56.1	56.8	57.0	57.1	57.4	57.4	57.7
GE 4000	23.9	39.3	42.0	47.4	50.9	52.4	54.3	57.4	58.2	58.9	59.6	59.8	59.9	60.2	60.2	60.4
GE 3500	24.1	40.4	43.2	48.6	52.3	53.7	55.8	58.9	60.0	60.7	61.3	61.6	61.7	62.0	62.0	62.3
GE 3000	25.4	42.3	45.1	50.5	54.3	55.9	58.0	61.1	62.2	62.9	63.7	63.9	64.0	64.4	64.4	64.7
GE 2500	26.5	43.9	46.7	52.2	56.3	57.9	60.0	63.4	64.6	65.3	66.0	66.4	66.6	66.9	66.9	67.3
GE 2000	27.8	46.3	49.2	54.7	59.3	60.9	63.0	66.4	67.6	68.3	69.1	69.4	69.6	70.1	70.1	70.4
GE 1800	28.8	48.7	51.8	57.4	62.0	63.6	65.7	69.1	70.3	71.1	71.8	72.2	72.4	72.8	72.8	73.2
GE 1500	30.4	51.2	54.5	60.1	64.7	66.3	68.4	71.7	73.0	73.7	74.5	74.9	75.2	75.6	75.6	76.0
GE 1200	32.1	54.0	57.7	63.5	68.2	69.7	72.0	75.3	76.5	77.3	78.1	78.4	78.8	79.2	79.2	79.6
GE 1000	32.5	55.1	58.9	64.9	70.1	71.6	73.9	77.2	78.4	79.2	80.1	80.4	80.8	81.2	81.2	81.6
GE 900	32.8	56.0	60.1	66.3	71.8	73.5	75.8	79.1	80.3	81.1	82.0	82.3	82.7	83.1	83.1	83.5
GE 800	33.3	57.1	61.3	67.7	73.3	75.0	77.2	80.7	81.9	82.7	83.6	83.9	84.2	84.7	84.7	85.0
GE 700	33.5	57.9	62.2	68.9	75.0	76.6	79.0	82.6	83.8	84.6	85.5	85.8	86.1	86.6	86.6	86.9
GE 600	33.7	58.5	63.5	70.5	76.9	78.8	81.6	85.1	86.5	87.3	88.2	88.5	88.9	89.4	89.4	89.7
GE 500	33.9	59.0	63.9	71.2	78.1	80.1	82.9	86.5	87.8	88.6	89.5	89.8	90.3	90.7	90.7	91.1
GE 400	33.9	59.2	64.1	71.5	78.7	81.0	83.9	87.7	89.2	90.2	91.2	91.5	92.0	92.4	92.4	92.7
GE 300	33.9	59.4	64.4	71.7	79.2	81.8	85.0	89.6	91.2	92.2	93.2	93.5	94.0	94.4	94.4	94.7
GE 200	33.9	59.4	64.4	71.7	79.4	82.0	85.5	90.3	92.0	93.4	94.4	94.7	95.2	95.6	95.6	96.1
GE 100	33.9	59.4	64.4	71.7	79.4	82.0	85.7	90.6	92.4	94.2	95.4	96.0	96.8	97.2	97.3	98.1
GE 0	33.9	59.4	64.4	71.7	79.4	82.1	85.8	90.7	92.5	94.3	95.6	96.2	97.0	97.4	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	14.4	20.2	20.9	21.9	22.4	22.9	23.8	24.0	24.2	24.3	24.3	24.4	24.4	24.4	24.4	24.5
GE 20000	1	23.9	31.9	33.0	34.7	36.1	36.6	37.7	38.0	38.3	38.4	38.4	38.5	38.6	38.6	38.6	38.8
GE 18000	1	24.0	32.1	33.2	34.9	36.2	36.8	37.9	38.3	38.5	38.6	38.6	38.7	38.8	38.8	38.8	39.0
GE 16000	1	24.0	32.1	33.2	34.9	36.2	36.8	37.9	38.3	38.5	38.6	38.6	38.7	38.8	38.8	38.8	39.0
GE 14000	1	24.6	33.0	34.1	35.9	37.4	37.9	39.0	39.4	39.6	39.7	39.7	39.8	39.9	39.9	39.9	40.2
GE 12000	1	25.8	34.5	35.7	37.5	38.9	39.5	40.6	40.9	41.2	41.3	41.3	41.4	41.5	41.5	41.5	41.7
GE 10000	1	27.6	36.7	37.9	40.0	41.7	42.3	43.5	43.8	44.1	44.2	44.2	44.3	44.4	44.4	44.4	44.6
GE 9000	1	28.6	38.3	39.6	41.9	43.7	44.3	45.6	46.0	46.2	46.3	46.4	46.5	46.6	46.6	46.6	46.9
GE 8000	1	28.7	38.8	40.2	42.6	44.4	45.0	46.4	46.8	47.0	47.1	47.2	47.3	47.4	47.4	47.4	47.7
GE 7000	1	29.1	39.1	40.5	43.0	44.7	45.3	46.8	47.1	47.3	47.4	47.5	47.7	47.8	47.8	47.8	48.0
GE 6000	1	29.5	39.7	41.1	44.0	46.0	46.5	48.0	48.3	48.5	48.7	48.8	48.9	49.0	49.0	49.0	49.2
GE 5000	1	31.5	43.2	44.9	47.9	50.6	51.1	52.6	52.9	53.1	53.2	53.4	53.5	53.6	53.6	53.6	53.8
GE 4500	1	33.8	46.4	48.2	51.3	54.1	54.7	56.3	56.6	56.8	57.0	57.2	57.3	57.4	57.4	57.4	57.6
GE 4000	1	35.8	49.1	50.9	54.0	57.2	57.7	59.3	59.7	60.0	60.2	60.3	60.4	60.5	60.5	60.5	60.7
GE 3500	1	36.7	50.1	51.9	55.0	58.2	58.7	60.3	60.7	61.0	61.2	61.3	61.4	61.5	61.5	61.5	61.7
GE 3000	1	39.1	52.0	53.9	57.0	60.2	60.7	62.3	62.9	63.1	63.3	63.4	63.5	63.6	63.6	63.6	63.9
GE 2500	1	40.8	55.4	57.4	60.7	63.9	64.4	66.0	66.6	66.8	67.0	67.1	67.2	67.3	67.3	67.3	67.6
GE 2000	1	44.2	59.8	62.0	65.5	68.7	69.2	70.8	71.4	71.6	71.8	71.9	72.0	72.1	72.1	72.1	72.4
GE 1800	1	45.7	62.0	64.2	67.8	70.9	71.6	73.2	73.7	73.9	74.2	74.3	74.4	74.5	74.5	74.5	74.7
GE 1500	1	49.2	66.8	69.2	73.0	76.2	76.8	78.4	79.0	79.2	79.4	79.5	79.6	79.8	79.8	79.8	80.0
GE 1200	1	51.6	71.0	74.3	78.4	81.8	82.4	84.0	84.7	84.9	85.1	85.2	85.3	85.5	85.5	85.5	85.7
GE 1000	1	51.7	72.5	75.8	80.1	83.8	84.6	86.1	86.8	87.0	87.2	87.4	87.5	87.6	87.6	87.6	87.8
GE 900	1	51.8	73.2	76.5	81.1	85.1	85.9	87.5	88.1	88.4	88.6	88.7	88.8	88.9	88.9	88.9	89.1
GE 800	1	51.9	74.2	77.6	82.3	86.7	87.7	89.4	90.0	90.3	90.5	90.6	90.7	90.8	90.8	90.8	91.1
GE 700	1	52.2	74.8	78.5	83.2	87.9	88.9	91.2	91.8	92.1	92.3	92.4	92.5	92.6	92.6	92.6	92.8
GE 600	1	52.2	75.4	79.3	84.0	88.9	90.4	92.5	93.3	93.5	93.7	93.8	94.0	94.1	94.1	94.1	94.3
GE 500	1	52.3	75.6	79.6	84.8	89.8	91.3	93.4	94.4	94.7	95.0	95.1	95.2	95.3	95.3	95.3	95.5
GE 400	1	52.3	75.7	79.8	85.2	90.7	92.2	94.3	95.3	95.7	96.0	96.2	96.3	96.4	96.4	96.4	96.6
GE 300	1	52.3	75.8	79.9	85.3	91.1	92.7	94.9	96.1	96.9	97.2	97.4	97.7	97.8	97.8	97.8	98.0
GE 200	1	52.3	75.8	79.9	85.3	91.4	93.2	95.3	96.9	97.9	98.2	98.4	98.8	98.9	98.9	98.9	99.1
GE 100	1	52.3	75.8	79.9	85.3	91.4	93.2	95.3	96.9	97.9	98.3	98.5	99.1	99.2	99.2	99.2	99.4
GE 0	1	52.3	75.8	79.9	85.3	91.4	93.2	95.3	96.9	97.9	98.3	98.5	99.1	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 30	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GF 0
NO CEIL	17.2	21.8	22.2	22.8	23.1	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
GF 20000	27.7	34.4	34.9	35.6	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 18000	27.7	34.4	34.9	35.6	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 16000	27.7	34.4	34.9	35.6	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GF 14000	28.2	34.9	35.5	36.2	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GF 12000	29.2	36.3	37.0	37.7	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 10000	30.7	38.4	39.2	40.4	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 9000	31.8	40.6	41.4	42.5	43.1	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 8000	31.9	40.9	41.7	42.8	43.4	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 7000	32.4	41.6	42.4	43.5	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GF 6000	33.6	43.2	44.1	45.3	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 5000	38.8	50.2	51.3	52.6	53.2	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 4500	44.0	56.5	57.6	59.1	59.6	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4000	48.0	61.4	62.7	64.3	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GF 3500	50.3	63.9	65.2	66.7	67.4	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GF 3000	54.1	68.7	69.9	71.7	72.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 2500	57.6	73.3	74.9	76.9	77.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2000	62.1	79.1	80.7	83.1	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GF 1800	63.2	80.7	82.6	85.2	86.0	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1500	64.8	83.2	85.3	88.0	88.8	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1200	65.8	84.7	87.3	90.0	90.9	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GF 1000	66.2	86.2	89.0	91.7	92.8	93.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 900	66.3	86.4	89.1	91.9	93.2	93.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 800	66.3	86.6	89.4	92.6	93.9	94.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GF 700	66.3	86.9	90.0	93.3	94.8	95.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	66.3	87.0	90.1	93.5	95.0	95.6	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	66.3	87.0	90.1	93.8	95.6	96.2	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	66.3	87.0	90.1	94.0	96.1	96.6	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	66.3	87.4	90.4	94.6	96.6	97.2	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GF 200	66.3	87.4	90.4	94.6	96.7	97.3	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	66.3	87.4	90.4	94.6	96.7	97.3	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	66.3	87.4	90.4	94.6	96.7	97.3	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 887

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	19.7	23.6	24.2	24.6	24.6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
GE 20000	32.0	39.0	39.9	40.4	40.4	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 16000	32.4	39.3	40.2	40.8	41.1	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 14000	32.4	39.4	40.3	40.9	41.2	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 12000	32.9	40.1	41.0	41.5	41.9	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 10000	34.3	42.0	42.9	43.4	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 9000	35.7	43.9	44.8	45.5	45.8	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 8000	36.6	45.0	45.9	46.9	47.3	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 7000	36.6	45.1	46.0	47.0	47.4	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 6000	37.0	46.0	46.9	47.9	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 5000	38.4	48.5	49.4	50.5	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 4500	45.4	57.0	57.9	59.1	59.5	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 4000	52.5	65.7	66.7	68.2	68.5	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3500	55.8	69.3	70.3	72.1	72.5	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3000	57.1	71.2	72.3	74.2	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 2500	59.1	73.6	74.8	76.8	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 2000	62.7	78.4	79.6	82.0	82.3	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1800	64.9	82.2	83.7	86.0	86.5	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1600	65.5	83.2	84.8	87.2	87.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1500	66.2	84.3	86.2	88.8	89.2	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1200	67.5	86.5	88.4	91.3	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	67.9	87.1	89.1	92.2	93.1	93.5	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 900	68.0	87.6	89.7	92.7	93.7	94.2	94.6	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 800	68.0	88.0	90.0	93.4	94.5	95.0	95.4	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	68.0	88.0	90.5	94.0	95.1	95.7	96.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 600	68.0	88.2	90.7	94.3	95.6	96.4	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	68.0	88.4	90.8	94.6	96.1	97.4	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	68.0	88.7	91.2	95.2	96.8	98.0	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	68.0	88.7	91.2	95.2	97.0	98.2	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	68.0	88.7	91.2	95.2	97.1	98.3	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	68.0	88.7	91.2	95.2	97.1	98.3	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	68.0	88.7	91.2	95.2	97.1	98.3	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOACOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 1800-2000

CEILING IN FEET	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	100
NO CEIL	24.4	29.8	30.7	31.4	32.0	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 20000	35.8	46.2	47.4	48.7	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	36.1	46.5	47.8	49.0	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 16000	36.3	46.9	48.1	49.3	50.2	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 14000	37.1	47.4	49.1	50.4	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 12000	38.9	50.3	51.6	52.9	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GF 10000	40.2	52.7	54.1	55.6	56.7	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 9000	40.5	53.4	54.8	56.3	57.6	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 8000	40.8	53.9	55.4	56.8	58.2	58.6	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GF 7000	40.8	54.6	56.1	57.5	58.7	59.3	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GF 6000	41.6	55.7	57.4	59.1	60.4	60.9	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GF 5000	44.1	59.8	61.5	63.8	65.4	65.9	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GF 4500	46.3	63.6	65.8	68.5	70.4	71.2	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GF 4000	48.4	66.3	68.6	71.9	73.8	74.6	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GF 3500	49.6	68.0	70.4	73.7	75.6	76.3	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3000	52.0	71.3	73.9	77.6	79.9	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2500	53.4	73.2	75.8	79.5	82.0	82.8	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 2000	55.0	76.0	78.7	82.5	85.7	86.1	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1800	55.3	76.8	79.5	83.3	86.4	86.9	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	55.6	77.6	80.3	84.4	87.2	88.1	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1200	56.3	79.0	81.7	86.3	89.1	90.0	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GF 1000	56.6	80.2	83.3	86.0	90.8	91.7	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GF 900	56.7	80.4	83.5	86.6	91.5	92.4	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GF 800	56.8	80.7	84.2	89.2	92.3	93.2	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 700	56.8	80.7	84.2	89.6	92.9	93.8	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 600	57.0	81.1	84.6	90.1	93.8	95.3	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 500	57.1	81.3	85.1	90.8	94.5	96.1	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 400	57.1	81.3	85.1	91.1	95.1	96.7	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	57.1	81.3	85.2	91.3	95.7	97.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	57.1	81.3	85.2	91.4	96.0	97.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	57.1	81.3	85.2	91.4	96.0	97.9	99.0	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GF 0	57.1	81.3	85.2	91.4	96.0	97.9	99.0	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 100	GE 90	GE 80	GE 70	GE 60	GE 50	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	24.9	34.6	36.2	37.4	38.6	39.9	40.6	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 20000	32.8	45.5	47.5	49.2	50.7	52.2	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 18000	32.8	45.5	47.5	49.2	50.7	52.2	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 16000	32.8	45.5	47.5	49.2	50.7	52.2	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 14000	33.0	46.1	48.1	49.6	51.4	52.9	53.6	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 12000	33.7	47.3	49.5	51.2	52.9	54.4	55.0	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 10000	34.4	48.7	51.0	53.1	55.1	56.7	57.5	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 9000	34.6	49.0	51.5	54.1	56.2	57.7	58.5	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 8000	34.7	49.3	51.8	54.4	56.4	58.0	58.8	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 7000	35.0	49.8	52.3	54.9	57.1	58.6	59.4	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 6000	35.5	50.6	53.6	56.2	58.4	60.0	60.8	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 5000	36.2	52.3	55.8	59.0	61.9	63.4	64.2	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4500	36.8	54.7	58.4	62.0	65.4	67.1	68.0	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4000	38.2	56.7	60.6	64.4	67.8	69.6	70.5	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3500	39.3	58.2	62.0	65.9	69.5	71.4	72.3	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3000	40.9	61.6	65.5	69.5	73.3	75.5	76.7	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 2500	42.4	65.0	69.0	73.0	76.9	79.1	80.3	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 2000	42.8	66.6	70.7	75.3	79.3	81.5	82.7	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1800	43.7	67.7	72.0	76.6	80.7	82.8	84.1	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1500	44.0	68.5	72.8	77.7	81.8	84.0	85.2	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1200	45.0	70.6	75.5	80.7	84.9	87.0	88.2	89.6	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1000	45.0	71.9	76.5	81.9	86.1	88.2	89.6	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 900	45.0	72.1	76.7	82.1	86.3	88.5	89.8	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 800	45.2	72.4	77.1	82.5	86.6	88.9	90.3	91.9	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 700	45.2	73.2	78.0	83.6	88.1	90.5	91.9	93.6	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 600	45.3	73.6	78.5	84.4	88.9	91.3	92.7	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 500	45.4	74.1	79.2	85.3	89.9	92.4	93.8	95.6	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 400	45.4	74.5	79.7	86.1	91.0	93.4	94.9	96.8	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 300	45.4	74.6	79.8	86.3	91.3	94.0	95.5	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	45.4	74.6	79.9	86.6	92.0	94.8	96.4	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	45.4	74.6	79.9	86.6	92.0	94.8	96.4	98.9	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 01	45.4	74.6	79.9	86.6	92.0	94.8	96.4	98.9	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 985

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN FEET	1	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CLIL	1	18.9	25.5	26.7	28.2	29.1	29.8	30.3	30.8	30.9	31.1	31.1	31.2	31.2	31.3	31.3	31.4	
GE 20000	1	27.0	36.6	38.1	40.1	41.6	42.4	43.0	43.7	43.9	44.0	44.1	44.1	44.2	44.3	44.3	44.5	
GE 18000	1	27.1	36.8	38.3	40.2	41.8	42.6	43.2	43.9	44.1	44.2	44.3	44.3	44.4	44.5	44.5	44.6	
GE 16000	1	27.2	36.8	38.4	40.3	41.8	42.6	43.3	44.0	44.1	44.3	44.3	44.4	44.5	44.6	44.6	44.7	
GE 14000	1	27.7	37.5	39.1	41.1	42.6	43.4	44.1	44.7	44.9	45.0	45.1	45.2	45.3	45.3	45.4	45.5	
GE 12000	1	28.6	38.8	40.5	42.5	44.1	44.9	45.6	46.3	46.5	46.6	46.7	46.7	46.8	46.9	46.9	47.1	
GE 10000	1	29.8	40.8	42.5	44.8	46.5	47.4	48.1	48.8	49.0	49.2	49.3	49.3	49.4	49.5	49.5	49.6	
GE 9000	1	30.3	41.7	43.5	46.0	47.8	48.6	49.4	50.1	50.4	50.5	50.6	50.7	50.8	50.8	50.9	51.0	
GE 8000	1	30.5	42.0	43.8	46.3	48.1	49.0	49.8	50.5	50.8	50.9	51.0	51.1	51.2	51.2	51.3	51.4	
GE 7000	1	30.7	42.6	44.4	46.9	48.9	49.7	50.5	51.2	51.4	51.6	51.7	51.8	51.8	51.9	51.9	52.1	
GE 6000	1	31.5	43.8	45.7	48.4	50.3	51.2	52.1	52.8	53.0	53.2	53.3	53.4	53.5	53.5	53.6	53.7	
GE 5000	1	34.1	47.7	49.8	52.7	55.0	55.9	56.9	57.8	58.1	58.3	58.4	58.5	58.6	58.7	58.7	58.9	
GE 4000	1	36.5	51.3	53.6	56.8	59.3	60.3	61.4	62.3	62.6	62.8	63.0	63.0	63.1	63.3	63.3	63.5	
GE 4000	1	38.3	53.6	56.1	59.5	62.7	63.2	64.4	65.4	65.8	66.0	66.2	66.2	66.3	66.4	66.5	66.7	
GE 3500	1	39.3	55.1	57.6	61.0	63.7	64.8	66.0	67.1	67.6	67.8	67.9	68.0	68.1	68.2	68.2	68.4	
GE 3000	1	41.2	57.9	60.5	64.2	67.0	68.1	69.4	70.6	71.1	71.3	71.5	71.5	71.6	71.7	71.8	72.0	
GE 2500	1	47.1	60.7	63.5	67.2	70.1	71.3	72.5	73.8	74.3	74.6	74.7	74.8	74.9	75.0	75.1	75.3	
GE 2000	1	45.1	64.1	66.9	70.9	74.0	75.2	76.5	77.8	78.3	78.5	78.7	78.7	78.8	79.0	79.0	79.2	
GE 1800	1	46.0	65.7	68.7	72.8	75.9	77.2	78.4	79.7	80.2	80.5	80.6	80.7	80.8	81.0	81.0	81.2	
GE 1500	1	47.4	67.9	71.1	75.4	78.5	79.8	81.1	82.4	83.0	83.2	83.4	83.5	83.6	83.7	83.8	84.0	
GE 1200	1	47.7	70.4	73.8	78.3	81.6	82.9	84.2	85.6	86.2	86.5	86.6	86.7	86.8	87.0	87.0	87.2	
GE 1000	1	49.0	71.6	75.2	79.9	83.4	84.7	86.1	87.5	88.1	88.3	88.5	88.6	88.7	88.9	88.9	89.1	
GE 900	1	49.1	72.2	75.9	80.7	84.3	85.7	87.1	88.6	89.1	89.4	89.6	89.7	89.8	90.0	90.0	90.2	
GE 800	1	49.3	72.7	76.5	81.4	85.2	86.6	88.1	89.6	90.2	90.5	90.7	90.8	90.9	91.1	91.1	91.3	
GE 700	1	49.4	73.3	77.2	82.4	86.3	87.8	89.4	91.0	91.6	91.9	92.1	92.1	92.3	92.4	92.5	92.7	
GE 600	1	49.5	73.7	77.9	83.2	87.3	89.0	90.7	92.4	93.0	93.3	93.4	93.5	93.7	93.8	93.8	94.1	
GE 500	1	49.6	74.0	78.3	83.9	88.2	90.0	91.7	93.4	94.0	94.3	94.5	94.6	94.7	94.9	94.9	95.1	
GE 400	1	49.6	74.3	78.6	84.4	88.9	90.8	92.7	94.5	95.2	95.5	95.7	95.8	95.9	96.1	96.1	96.3	
GE 300	1	49.6	74.5	78.9	84.8	89.6	91.6	93.7	95.9	96.6	97.0	97.2	97.3	97.4	97.6	97.6	97.8	
GE 200	1	49.6	74.5	78.9	84.8	89.6	92.0	94.1	96.5	97.3	97.8	98.0	98.1	98.2	98.4	98.4	98.6	
GE 100	1	49.6	74.5	78.9	84.8	89.6	92.0	94.2	96.7	97.6	98.2	98.4	98.6	98.8	98.9	99.0	99.2	
GE 0	1	49.6	74.5	78.9	84.8	89.6	92.0	94.2	96.7	97.6	98.2	98.5	98.6	98.9	99.0	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7128

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS/ST: 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GT
FEET	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL	21.5	28.1	29.5	32.5	35.6	36.5	37.0	38.2	38.4	38.6	38.9	38.9	39.3	39.6	39.8	40.4	
GE 20000	26.4	35.8	37.7	40.7	44.0	45.0	45.7	46.9	47.1	47.4	47.6	47.6	48.1	48.4	48.6	49.4	
GE 18000	26.4	35.8	37.7	40.7	44.0	45.0	45.7	46.9	47.1	47.4	47.6	47.6	48.1	48.4	48.6	49.4	
GE 16000	26.5	35.9	37.8	40.8	44.2	45.1	45.8	47.0	47.2	47.5	47.7	47.7	48.2	48.5	48.7	49.5	
GE 14000	27.2	36.8	38.6	41.8	45.1	46.1	46.8	47.9	48.2	48.5	48.7	48.7	49.1	49.5	49.7	50.4	
GE 12000	27.3	37.2	39.1	42.2	45.6	46.5	47.2	48.5	48.7	49.0	49.2	49.2	49.7	50.0	50.2	51.0	
GE 10000	28.2	38.5	40.4	43.6	47.0	48.1	48.9	50.2	50.4	50.8	51.0	51.0	51.4	51.7	51.9	52.7	
GE 9000	28.7	40.2	42.1	45.5	48.9	50.1	51.1	52.4	52.6	52.9	53.1	53.1	53.6	53.9	54.1	54.9	
GE 8000	28.7	40.3	42.3	45.7	49.1	50.3	51.3	52.6	52.8	53.1	53.4	53.4	53.8	54.1	54.3	55.1	
GE 7000	29.0	40.8	42.9	46.2	49.7	50.9	51.8	53.1	53.4	53.7	53.9	53.9	54.3	54.7	54.9	55.6	
GE 6000	29.5	41.8	43.9	47.2	50.6	51.8	53.0	54.4	54.7	55.0	55.2	55.2	55.6	56.0	56.2	56.9	
GE 5000	31.2	45.0	47.2	50.5	54.3	55.8	57.0	58.5	59.0	59.4	59.6	59.6	60.1	60.4	60.6	61.4	
GE 4500	33.1	47.7	49.9	53.6	57.4	58.9	60.2	61.9	62.4	62.9	63.1	63.1	63.5	63.9	64.1	64.8	
GE 4000	33.7	48.8	51.2	55.0	58.8	60.4	61.7	63.5	64.3	64.7	64.9	64.9	65.4	65.7	65.9	66.7	
GE 3500	35.3	51.1	53.5	57.5	61.5	63.2	64.6	66.6	67.3	67.7	68.0	68.0	68.4	68.7	68.9	69.7	
GE 3000	36.5	53.1	55.6	60.0	64.2	66.0	67.5	69.9	70.7	71.1	71.3	71.3	71.8	72.1	72.3	73.1	
GE 2500	38.0	55.3	57.8	62.6	66.9	68.7	70.5	72.9	73.8	74.2	74.5	74.5	74.9	75.2	75.4	76.2	
GE 2000	39.6	56.9	59.5	64.4	68.8	70.8	72.6	75.3	76.3	76.8	77.1	77.1	77.5	77.8	78.0	78.8	
GE 1800	39.0	57.7	60.4	65.3	69.7	71.6	73.5	76.3	77.3	77.8	78.0	78.0	78.5	78.8	79.0	79.8	
GE 1500	39.5	59.1	62.0	66.9	71.4	73.5	75.4	78.2	79.2	79.8	80.0	80.0	80.4	80.7	81.0	81.7	
GE 1200	40.3	60.9	64.2	69.4	74.1	76.2	78.2	81.1	82.0	82.7	82.9	82.9	83.4	83.9	84.1	84.8	
GE 1000	40.7	61.9	65.6	71.1	75.9	77.9	80.0	82.8	83.8	84.4	84.6	84.6	85.2	85.6	85.8	86.6	
GE 900	40.8	62.4	66.1	71.6	76.4	78.5	80.5	83.3	84.3	85.0	85.2	85.2	85.7	86.1	86.4	87.1	
GE 800	41.0	62.9	67.0	72.6	77.6	79.7	81.7	84.5	85.5	86.1	86.4	86.4	86.9	87.3	87.6	88.3	
GE 700	41.0	63.2	67.5	73.6	78.8	80.8	83.0	85.8	86.9	87.6	87.8	87.8	88.3	88.7	89.0	89.7	
GE 600	41.2	64.3	68.7	75.1	80.5	82.6	84.7	87.7	89.0	89.7	89.9	89.9	90.5	90.9	91.1	91.9	
GE 500	41.5	64.7	69.2	75.6	81.1	83.1	85.3	88.3	89.6	90.5	90.7	90.8	91.3	91.8	92.0	92.7	
GE 400	41.5	65.2	69.7	76.6	82.0	84.2	86.4	89.7	91.1	92.1	92.3	92.4	93.0	93.4	93.6	94.4	
GE 300	41.5	65.6	70.2	77.3	82.9	85.1	87.2	90.7	92.3	93.4	93.6	93.8	94.4	94.8	95.0	95.8	
GE 200	41.5	65.7	70.5	77.5	83.3	85.5	87.7	91.2	92.9	93.9	94.2	94.4	94.9	95.3	95.6	96.3	
GE 100	41.5	65.8	70.7	78.0	83.9	86.4	88.5	92.4	94.0	95.3	95.6	95.8	96.3	96.8	97.0	97.7	
GE 0	41.5	65.8	70.7	78.0	83.9	86.4	88.5	92.4	94.3	95.7	96.2	96.5	97.2	98.2	98.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 924



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-84  
MONTH: MAY HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.6	23.1	24.1	26.5	27.7	26.7	29.5	30.6	31.0	31.8	32.0	32.0	32.3	32.5	33.1	34.5
GE 20000	20.7	28.7	30.4	33.4	34.7	26.0	36.9	38.8	39.3	40.1	40.3	40.3	40.6	40.9	41.5	43.0
GE 18000	20.7	28.7	30.4	33.4	34.7	26.0	36.9	38.9	39.4	40.2	40.4	40.4	40.7	41.1	41.6	43.1
GE 16000	20.7	28.7	30.4	33.4	34.7	26.0	36.9	38.9	39.4	40.3	40.5	40.5	40.8	41.2	41.7	43.2
GE 14000	20.9	29.1	30.8	33.9	35.2	26.5	37.4	39.4	40.0	40.8	41.1	41.1	41.4	41.7	42.2	43.9
GE 12000	21.3	29.7	31.5	34.6	36.0	27.3	38.1	40.2	40.7	41.6	41.8	41.8	42.2	42.6	43.1	44.6
GE 10000	22.7	31.6	33.4	36.6	38.3	29.8	40.8	42.9	43.4	44.3	44.5	44.5	45.0	45.5	46.0	47.6
GE 9000	23.9	33.3	35.3	38.8	40.4	41.9	43.2	45.4	45.9	46.8	47.0	47.0	47.5	48.0	48.5	50.1
GE 8000	23.9	33.6	35.9	39.4	41.1	42.6	43.9	46.0	46.6	47.4	47.6	47.6	48.2	48.6	49.1	50.8
GE 7000	23.9	33.7	36.0	39.5	41.2	42.7	44.0	46.1	46.7	47.5	47.7	47.7	48.3	48.7	49.2	50.9
GE 6000	24.4	34.9	37.3	41.2	42.8	44.3	45.6	48.0	48.6	49.6	49.8	49.8	50.3	50.8	51.3	52.9
GE 5000	25.2	36.7	39.2	43.3	45.5	47.3	48.9	51.7	52.5	53.4	53.7	53.7	54.2	54.6	55.2	56.8
GE 4500	26.3	38.1	40.6	44.7	46.9	48.7	50.4	53.3	54.2	55.5	55.7	55.7	56.3	56.7	57.2	58.8
GE 4000	26.6	38.8	41.4	45.8	48.2	50.1	51.8	55.1	56.0	57.3	57.7	57.7	58.2	58.6	59.2	60.8
GE 3500	27.4	39.9	42.6	47.2	49.8	51.8	53.6	56.8	57.8	59.1	59.4	59.4	59.9	60.3	60.9	62.5
GE 3000	28.7	41.6	44.3	49.0	51.6	53.8	55.6	58.8	59.9	61.2	61.5	61.5	62.1	62.6	63.1	64.8
GE 2500	29.3	42.9	46.0	51.1	54.1	56.3	58.3	61.6	62.8	64.2	64.5	64.5	65.1	65.6	66.2	67.8
GE 2000	29.8	44.2	47.3	52.4	55.6	57.9	60.0	63.7	64.9	66.3	66.6	66.6	67.1	67.7	68.2	69.8
GE 1800	30.9	45.5	48.6	53.9	57.2	59.5	61.6	65.4	66.6	68.0	68.3	68.5	69.1	69.6	70.2	71.8
GE 1500	32.2	47.3	50.6	56.3	60.0	62.4	64.5	68.4	69.6	71.1	71.4	71.7	72.3	72.8	73.4	75.0
GE 1200	33.5	49.8	53.1	59.3	63.1	65.5	67.7	71.7	73.0	74.9	75.2	75.4	76.2	76.7	77.3	78.9
GE 1000	34.2	51.3	55.1	61.4	65.6	68.0	70.3	74.2	75.5	77.5	77.9	78.1	78.9	79.4	80.0	81.6
GE 900	34.2	51.7	55.7	62.1	66.3	68.6	70.9	74.9	76.2	78.1	78.6	78.8	79.5	80.1	80.6	82.2
GE 800	34.3	52.4	56.4	62.9	67.2	69.6	72.0	76.1	77.6	79.6	80.1	80.3	81.0	81.6	82.1	83.7
GE 700	34.4	53.3	57.4	64.3	68.7	71.3	74.0	78.2	79.7	81.9	82.3	82.5	83.3	83.8	84.4	86.0
GE 600	34.5	53.4	57.5	64.8	69.3	71.8	74.5	79.0	80.6	82.9	83.3	83.5	84.3	84.8	85.3	87.0
GE 500	34.5	53.8	57.9	65.2	70.0	72.5	75.2	79.7	81.4	83.6	84.1	84.3	85.0	85.6	86.1	87.7
GE 400	35.0	55.0	59.5	66.9	72.2	75.0	77.9	82.7	84.4	86.6	87.1	87.3	88.0	88.7	89.2	90.8
GE 300	35.0	55.1	59.7	67.5	72.8	75.6	78.6	83.5	85.1	87.8	88.3	88.6	89.3	90.1	90.6	92.2
GE 200	35.0	55.2	59.9	67.9	73.4	76.5	79.4	84.7	87.1	89.3	89.9	90.2	90.9	91.7	92.2	93.9
GE 100	35.0	55.3	60.0	68.0	73.8	77.2	80.2	85.9	88.4	91.1	91.6	91.9	92.9	93.9	94.4	96.7
GE 0	35.0	55.3	60.0	68.0	73.9	77.3	80.3	86.1	88.6	91.5	92.1	92.7	93.6	94.9	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: Q37460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	12.2	19.4	20.4	21.9	23.4	24.4	24.9	26.2	26.5	26.9	27.0	27.0	27.2	27.6	27.6	28.2	
GE 20000	17.2	26.9	28.4	31.4	33.1	34.2	35.0	36.4	36.7	37.3	37.4	37.4	37.9	38.4	38.4	39.3	
GE 18000	17.2	26.9	28.4	31.5	33.2	34.3	35.1	36.5	36.8	37.4	37.5	37.5	38.0	38.5	38.5	39.4	
GE 16000	17.2	26.9	28.4	31.5	33.2	34.3	35.1	36.5	36.8	37.4	37.5	37.5	38.0	38.5	38.5	39.4	
GE 14000	17.2	27.2	28.7	31.9	33.7	34.7	35.5	36.9	37.2	37.9	38.0	38.0	38.4	38.9	38.9	39.8	
GE 12000	17.5	27.7	29.2	32.5	34.2	35.4	36.1	37.6	38.1	38.7	38.8	38.8	39.3	39.8	39.8	40.7	
GE 10000	18.6	29.2	31.1	34.6	36.4	37.9	38.7	40.7	41.2	41.9	42.0	42.0	42.4	42.9	42.9	43.8	
GE 9000	19.3	30.4	32.3	35.9	38.0	39.6	40.5	42.5	43.0	43.7	43.9	43.9	44.3	44.9	44.9	45.7	
GE 8000	19.4	30.5	32.4	36.0	38.4	40.3	41.3	43.4	43.9	44.7	44.9	44.9	45.3	45.8	45.8	46.7	
GE 7000	19.4	30.5	32.4	36.0	38.4	40.3	41.3	43.4	43.9	44.7	44.9	44.9	45.3	45.8	45.8	46.7	
GE 6000	20.0	31.6	33.5	37.4	39.4	42.0	42.9	45.1	45.6	46.4	46.6	46.6	47.0	47.6	47.6	48.4	
GE 5000	21.8	34.5	36.9	40.9	43.5	46.0	47.0	49.7	50.3	51.1	51.1	51.3	51.8	52.3	52.3	53.2	
GE 4500	22.4	35.5	38.1	42.4	45.1	47.8	49.0	52.0	52.6	53.5	53.7	53.7	54.2	54.7	54.7	55.6	
GE 4000	23.7	36.9	39.6	44.0	46.6	49.5	50.7	53.9	54.6	55.4	55.7	55.7	56.1	56.6	56.6	57.5	
GE 3500	23.9	37.1	39.8	44.3	47.1	49.8	51.0	54.3	54.9	55.8	56.0	56.0	56.4	57.0	57.0	57.8	
GE 3000	24.9	38.5	41.2	46.0	48.8	51.5	52.6	56.0	56.6	57.5	57.7	57.7	58.1	58.7	58.7	59.5	
GE 2500	26.5	41.3	44.0	49.0	52.0	54.7	56.0	59.3	60.0	60.8	61.2	61.2	61.6	62.1	62.1	63.0	
GE 2000	27.8	43.6	46.5	51.6	54.6	57.4	58.7	62.0	62.7	63.5	63.9	63.9	64.3	64.8	64.8	65.7	
GE 1800	28.7	44.7	47.7	52.9	55.9	58.7	60.0	63.4	64.1	64.9	65.3	65.3	65.7	66.2	66.2	67.1	
GE 1500	30.9	47.4	50.5	55.7	59.0	61.9	63.3	66.9	67.5	68.5	68.9	68.9	69.4	69.9	69.9	70.8	
GE 1200	37.4	51.2	54.5	60.0	63.8	66.8	68.3	72.0	72.7	73.7	74.1	74.1	74.5	75.1	75.1	75.9	
GE 1000	34.6	53.1	56.3	62.4	66.2	69.5	71.0	74.6	75.4	76.4	76.8	76.8	77.2	77.8	77.8	78.6	
GE 900	35.1	53.9	57.3	63.8	67.7	71.0	72.5	76.2	76.9	77.9	78.3	78.3	78.7	79.3	79.3	80.2	
GE 800	35.5	55.0	58.5	65.2	69.3	72.5	74.1	78.0	78.7	79.7	80.2	80.2	80.6	81.1	81.1	82.0	
GE 700	36.4	56.7	60.2	67.0	71.2	74.8	76.4	80.3	81.2	82.2	82.6	82.6	83.1	83.6	83.6	84.5	
GE 600	36.6	57.5	61.2	68.6	73.0	76.8	78.4	82.3	83.4	84.4	84.8	84.8	85.2	85.8	85.8	86.6	
GE 500	37.0	58.8	62.6	70.2	75.0	79.0	81.0	85.0	86.1	87.3	87.4	87.8	88.2	88.8	88.8	89.6	
GE 400	37.0	59.2	63.1	70.9	76.3	80.5	83.0	87.2	88.2	89.5	90.1	90.1	90.5	91.0	91.0	91.9	
GE 300	37.0	59.3	63.2	71.3	76.8	81.4	84.3	89.0	90.2	91.5	92.1	92.1	92.6	93.1	93.1	94.0	
GE 200	37.0	59.3	63.2	71.5	77.3	82.3	85.2	90.3	91.8	93.2	94.1	94.2	94.6	95.1	95.1	96.0	
GE 100	37.0	59.3	63.2	71.5	77.3	82.3	85.3	90.5	92.2	93.9	94.9	95.0	95.6	96.3	96.3	97.4	
GE 0	37.0	59.3	63.2	71.5	77.3	82.3	85.3	90.5	92.4	94.2	95.3	95.6	96.2	97.4	97.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	6T	GE	GF	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	15.3	20.7	22.1	23.3	24.1	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
GE 20000	22.9	30.3	32.0	33.5	34.2	34.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 18000	23.0	30.4	32.1	33.6	34.3	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 16000	23.0	30.4	32.1	33.6	34.3	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 14000	23.2	30.8	32.5	34.0	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 12000	24.6	32.4	34.1	35.6	36.5	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 10000	25.7	34.0	36.0	37.5	38.6	38.9	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 9000	27.0	35.6	37.8	39.3	40.6	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 8000	27.1	35.9	38.0	39.7	41.1	41.4	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 7000	27.5	36.4	38.6	40.3	41.7	42.0	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 6000	29.3	37.7	39.9	41.6	43.1	43.6	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 5000	30.8	41.3	43.4	45.3	47.0	47.6	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 4500	34.3	45.1	47.2	49.7	51.6	52.2	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 4000	36.4	48.0	50.2	52.8	54.6	55.3	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 3500	37.3	48.9	51.0	53.6	55.5	56.1	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 3000	39.0	51.2	53.5	56.3	58.3	58.9	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 2500	41.5	54.6	57.0	60.0	62.0	62.6	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 2000	46.5	60.0	62.8	66.1	68.1	68.8	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 1800	49.2	63.2	66.1	69.3	71.4	72.0	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 1600	51.7	66.6	70.0	73.9	76.2	76.8	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 1400	55.0	71.6	75.3	79.4	82.3	83.1	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1000	55.5	72.3	76.4	81.0	84.3	85.4	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 900	56.0	73.5	77.7	82.6	85.9	87.0	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 800	56.4	74.4	78.7	84.2	87.9	88.9	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 700	57.1	75.5	79.8	85.7	89.8	90.9	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 600	57.1	75.8	80.2	86.7	91.2	92.5	94.3	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 500	57.2	76.1	80.5	87.1	91.8	93.2	94.9	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 400	57.2	76.5	81.1	88.0	93.0	94.4	96.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 300	57.2	76.5	81.3	88.4	93.5	95.1	97.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 200	57.2	76.5	81.3	88.4	93.7	95.6	97.5	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	57.2	76.5	81.3	88.4	93.7	95.6	97.5	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6
GE 0	57.2	76.5	81.3	88.4	93.7	95.6	97.5	99.0	99.3	99.3	99.6	99.6	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3	GE 2	GE 1
NO CEIL	15.2	20.2	20.5	21.0	21.2	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
GE 20000	27.7	33.4	33.8	34.4	34.8	35.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 18000	27.7	33.4	33.8	34.4	34.8	35.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 16000	27.7	33.4	33.8	34.4	34.8	35.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 14000	28.5	34.3	34.7	35.3	35.7	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 12000	29.6	35.5	35.9	36.6	37.0	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 10000	31.0	37.4	38.1	38.9	39.3	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 9000	32.4	39.4	40.1	40.8	41.3	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 8000	32.5	39.5	40.2	40.9	41.5	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 7000	33.3	40.5	41.2	41.9	42.5	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 6000	34.5	42.9	43.6	44.4	45.5	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 5000	39.4	48.9	49.8	51.0	52.2	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 4500	44.4	55.3	56.4	58.0	59.3	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 4000	47.8	59.8	61.0	62.8	64.1	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 3500	50.5	62.8	64.1	65.8	67.1	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 3000	53.5	66.2	67.7	69.4	70.9	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 2500	57.8	71.2	73.0	74.9	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 2000	60.9	75.3	77.3	79.5	81.0	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1800	63.2	78.6	80.6	82.9	84.5	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1500	65.3	81.6	83.6	86.0	87.9	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200	66.3	83.4	85.6	88.5	90.6	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1000	66.8	84.5	86.9	90.2	92.4	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 900	66.9	84.8	87.3	90.7	93.0	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 800	67.1	85.2	87.7	91.3	94.1	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 700	67.2	85.7	88.2	91.8	94.7	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 600	67.4	86.6	89.1	92.8	95.7	96.5	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	67.5	86.7	89.3	93.0	96.1	96.8	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	67.5	86.9	89.5	93.3	96.5	97.4	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	67.5	86.9	89.6	93.7	96.7	97.8	98.5	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	67.5	86.9	89.6	93.7	96.9	97.8	98.7	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	67.5	86.9	89.6	93.7	96.9	97.8	98.7	99.1	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	67.5	86.9	89.6	93.7	96.9	97.8	98.7	99.1	99.3	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 916

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 40	GF 60	GE 48	GE 40	GE 32	GF 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GF 0
NO CEIL		17.9	23.5	23.6	23.9	24.4	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
GE 20000		33.2	38.9	39.5	39.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 18000		33.5	39.2	39.8	40.2	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 16000		33.5	39.2	39.8	40.2	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 14000		34.5	40.3	40.9	41.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 12000		35.4	41.2	41.9	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 10000		37.4	43.9	44.6	44.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 9000		38.4	45.2	45.9	46.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 8000		38.5	45.7	46.4	47.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 7000		39.6	47.1	47.8	48.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 6000		41.9	50.3	51.1	51.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 5000		49.0	58.7	59.8	60.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 4500		55.0	67.0	68.2	68.9	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000		57.8	70.0	71.3	72.3	74.4	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3500		59.0	71.3	72.7	73.7	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 3000		60.7	73.5	74.9	75.9	78.4	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 2500		63.1	76.8	78.5	79.5	82.1	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2000		66.8	81.1	83.1	84.3	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1800		67.6	82.1	84.3	85.5	88.2	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1500		68.6	83.7	86.0	87.2	90.0	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200		69.6	85.6	88.2	89.6	92.6	92.6	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1000		69.9	86.7	89.3	90.8	93.9	93.9	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900		69.9	86.7	89.6	91.1	94.6	94.6	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 800		70.0	86.9	89.8	91.3	94.8	94.8	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700		70.1	87.6	90.6	92.1	95.6	95.6	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 600		70.5	88.2	91.2	92.7	96.4	96.4	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 500		70.5	88.3	91.3	93.1	96.9	97.2	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400		70.5	88.4	91.7	93.4	97.3	97.6	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 300		70.5	88.5	91.8	93.7	98.1	98.4	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200		70.5	88.5	91.8	93.9	98.3	98.6	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		70.5	88.5	91.8	93.9	98.3	98.6	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		70.5	88.5	91.8	93.9	98.3	98.6	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	24.6	30.6	31.8	32.4	32.6	33.0	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 20000		36.7	44.6	46.1	46.9	47.1	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 18000		36.9	45.0	46.5	47.3	47.5	47.8	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 16000		36.9	45.0	46.5	47.3	47.5	47.8	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 14000		38.1	46.2	47.7	48.5	48.7	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 12000		38.6	47.1	48.6	49.5	49.7	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 10000		40.2	48.7	50.2	51.2	51.4	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 9000		42.0	51.7	53.3	54.3	54.6	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 8000		42.4	52.3	53.9	55.0	55.3	55.6	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 7000		43.1	53.1	54.9	56.2	56.6	56.9	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 6000		45.3	56.1	57.9	59.3	60.0	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 5000		43.9	61.4	63.2	64.6	65.4	65.7	65.9	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500		51.1	64.9	66.7	68.2	69.2	69.5	69.8	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 4000		53.0	67.7	69.5	71.0	72.1	72.5	72.8	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3500		54.6	69.7	71.6	73.2	74.3	74.6	74.9	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000		57.2	73.2	75.2	76.8	78.2	78.5	79.0	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 2500		59.3	76.4	78.3	79.9	81.6	81.9	82.3	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000		61.6	79.5	81.8	83.5	85.4	86.0	86.4	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1800		62.1	80.5	82.9	84.7	86.6	87.2	87.6	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1500		62.9	81.5	83.9	85.8	87.6	88.3	88.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1200		64.0	83.1	85.9	87.7	89.7	90.3	90.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1000		64.4	84.4	87.3	89.3	91.3	92.0	92.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 900		64.5	84.5	87.4	89.4	91.4	92.1	92.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 800		64.6	84.9	88.0	89.9	92.0	92.6	93.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 700		64.8	85.5	88.5	90.6	92.4	93.5	94.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 600		65.0	85.9	88.9	91.0	93.4	94.0	94.8	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 500		65.0	86.1	89.3	91.4	93.8	94.5	95.2	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 400		65.0	86.3	89.6	91.8	94.3	95.0	95.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 300		65.0	86.3	89.6	91.9	94.8	95.6	96.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 200		65.0	86.3	89.6	91.9	95.1	95.9	96.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 100		65.0	86.3	89.6	91.9	95.2	96.1	97.3	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 0		65.0	86.3	89.6	91.9	95.2	96.1	97.3	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GE 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		27.4	35.7	37.5	40.6	41.6	42.0	42.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 20000	34.7	44.6	46.9	50.5	51.7	52.2	52.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 18000	34.9	44.7	47.0	50.6	51.8	52.3	52.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 16000	34.8	44.7	47.0	50.6	51.8	52.3	52.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 14000	35.2	45.1	47.4	51.1	52.7	52.7	53.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 12000	36.0	46.2	48.5	52.2	53.3	53.9	54.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 10000	36.9	47.9	50.3	54.0	55.4	56.0	56.4	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 9000	37.8	49.9	52.4	56.3	57.9	58.5	59.0	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 8000	37.9	50.3	52.8	56.7	58.3	59.0	59.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 7000	37.9	50.5	53.0	56.9	58.5	59.2	59.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 6000	39.1	51.8	54.5	58.4	60.0	60.8	61.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 5000	40.2	54.2	57.3	61.3	63.2	64.1	64.7	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 4000	41.1	56.0	59.4	63.6	65.7	66.6	67.2	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 3000	42.9	58.3	61.9	66.2	68.3	69.2	69.8	71.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 2000	44.2	60.0	63.7	68.3	70.3	71.3	71.9	73.2	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 1000	45.7	63.1	66.7	71.5	73.9	74.9	75.7	77.0	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 2500	47.5	66.0	69.9	74.9	77.3	78.4	79.2	80.5	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 2000	47.9	67.1	71.0	76.3	79.0	80.2	81.0	82.7	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 1800	48.3	67.5	71.5	77.0	79.7	80.9	81.6	83.5	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1600	48.5	69.2	73.2	78.7	81.4	82.6	83.4	85.4	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1200	50.3	70.7	74.7	80.5	83.3	84.6	85.3	87.5	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	51.0	71.5	75.6	81.9	84.8	86.1	86.8	89.0	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 900	51.0	71.6	76.6	82.6	85.5	86.8	87.6	89.7	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 800	51.1	72.4	77.3	83.5	86.4	87.7	88.4	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 700	51.3	72.6	77.8	84.3	87.5	88.9	89.6	92.0	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 600	51.3	73.0	78.3	85.0	88.7	89.6	90.6	93.2	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 500	51.3	73.2	78.7	85.9	89.1	90.5	91.5	94.2	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 400	51.3	73.3	78.9	86.1	89.4	90.8	91.8	94.6	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 300	51.3	73.5	79.3	86.8	90.6	92.0	93.1	95.9	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 200	51.3	73.5	79.5	87.0	91.0	92.4	93.5	96.4	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 100	51.3	73.7	79.6	87.1	91.3	92.8	93.8	97.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 0	51.3	73.7	79.6	87.1	91.3	92.8	93.8	97.1	98.1	99.1	99.1	99.1	99.5	99.8	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 100	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	19.0	25.2	26.2	27.8	28.9	29.4	29.7	30.3	30.4	30.6	30.7	30.7	30.8	30.9	31.0	31.3	
GE 20000	27.4	35.4	36.8	38.8	40.1	40.6	41.0	41.7	41.9	42.1	42.2	42.2	42.3	42.5	42.6	42.9	
GE 18000	27.5	35.5	37.0	39.0	40.2	40.8	41.1	41.9	42.0	42.2	42.3	42.3	42.3	42.5	42.6	42.7	43.1
GE 16000	27.5	35.5	37.0	39.0	40.2	40.8	41.2	41.9	42.0	42.3	42.3	42.3	42.3	42.5	42.6	42.7	43.1
GE 14000	28.1	36.2	37.7	39.7	41.0	41.5	41.9	42.6	42.8	43.0	43.1	43.1	43.1	43.2	43.4	43.5	43.9
GE 12000	28.8	37.1	38.6	40.7	41.9	42.5	42.9	43.7	43.8	44.1	44.1	44.1	44.3	44.5	44.5	44.9	
GE 10000	30.1	38.9	40.5	42.7	44.0	44.7	45.2	46.0	46.2	46.5	46.5	46.5	46.7	46.9	47.0	47.4	
GE 9000	31.2	40.7	42.4	44.6	46.1	46.9	47.4	48.3	48.4	48.7	48.7	48.7	48.9	49.1	49.2	49.6	
GE 8000	31.3	41.0	42.7	45.0	46.6	47.4	47.9	48.8	49.0	49.2	49.3	49.3	49.3	49.5	49.6	49.7	50.1
GE 7000	31.7	41.6	43.3	45.7	47.3	48.1	48.6	49.5	49.6	49.9	50.0	50.0	50.1	50.3	50.4	50.8	
GE 6000	32.9	43.4	45.2	47.7	49.4	50.2	50.8	51.7	51.9	52.2	52.3	52.3	52.4	52.6	52.7	53.1	
GE 5000	35.8	47.6	49.6	52.2	54.1	55.1	55.8	56.9	57.2	57.5	57.6	57.6	57.7	57.9	58.0	58.4	
GE 4500	38.5	51.2	53.3	56.1	58.2	59.3	60.1	61.3	61.6	61.9	62.0	62.0	62.2	62.4	62.5	62.9	
GE 4000	40.2	53.5	55.7	58.7	60.9	62.0	62.8	64.0	64.4	64.8	64.9	64.9	65.0	65.2	65.3	65.7	
GE 3500	41.5	55.1	57.3	60.4	62.7	63.8	64.6	65.9	66.3	66.7	66.8	66.8	66.9	67.1	67.2	67.6	
GE 3000	43.2	57.5	59.9	63.1	65.5	66.7	67.5	68.9	69.3	69.6	69.7	69.7	69.9	70.1	70.2	70.6	
GE 2500	45.3	60.5	63.0	66.5	69.0	70.2	71.1	72.6	73.0	73.3	73.4	73.4	73.6	73.8	73.9	74.3	
GE 2000	47.5	63.4	66.1	69.7	72.4	73.7	74.6	76.2	76.7	77.1	77.2	77.2	77.3	77.5	77.6	78.0	
GE 1800	48.6	64.9	67.7	71.4	74.1	75.4	76.3	78.0	78.4	78.8	78.9	79.0	79.1	79.3	79.4	79.8	
GE 1500	50.0	67.0	70.0	73.8	76.7	78.0	79.0	80.7	81.2	81.6	81.7	81.7	81.9	82.1	82.2	82.6	
GE 1200	51.5	69.5	72.7	76.8	79.9	81.3	82.3	84.1	84.6	85.0	85.2	85.2	85.4	85.6	85.7	86.1	
GE 1000	52.1	70.7	74.0	78.5	81.8	83.2	84.3	86.1	86.6	87.0	87.2	87.2	87.4	87.6	87.7	88.1	
GE 900	52.3	71.1	74.7	79.2	82.6	84.0	85.1	87.0	87.4	87.9	88.0	88.1	88.3	88.5	88.6	89.0	
GE 800	52.5	71.7	75.4	80.1	83.6	85.0	86.2	88.1	88.6	89.1	89.2	89.2	89.5	89.6	89.7	90.1	
GE 700	52.7	72.5	76.2	81.2	84.9	86.4	87.6	89.6	90.1	90.6	90.8	90.8	91.0	91.2	91.3	91.7	
GE 600	52.9	73.1	76.9	82.1	86.0	87.6	88.9	91.0	91.6	92.2	92.3	92.3	92.5	92.7	92.8	93.2	
GE 500	53.0	73.4	77.3	82.7	86.7	88.3	89.7	91.9	92.5	93.1	93.2	93.3	93.5	93.7	93.8	94.2	
GE 400	53.1	73.6	77.9	83.3	87.6	89.3	90.9	93.2	93.8	94.5	94.6	94.7	94.9	95.1	95.2	95.6	
GE 300	53.1	73.9	78.1	83.8	88.2	90.1	91.7	94.2	95.0	95.6	95.8	95.9	96.1	96.3	96.4	96.8	
GE 200	53.1	74.0	78.1	84.0	88.6	90.6	92.2	94.9	95.8	96.4	96.7	96.8	97.0	97.2	97.3	97.7	
GE 100	53.1	74.0	78.2	84.0	88.8	90.8	92.5	95.3	96.3	97.1	97.4	97.6	97.8	98.1	98.2	98.7	
GE 0	53.1	74.0	78.2	84.0	88.8	90.8	92.6	95.4	96.4	97.3	97.7	97.9	98.2	98.8	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7390



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UX

PERIOD OF RECORD: 77-84  
MONTH: JUN HOURS: 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 44	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	21.4	27.6	29.6	33.1	35.3	36.7	37.1	37.9	38.2	38.5	38.6	38.7	38.8	39.0	39.1	39.4
GE 20000	25.7	33.6	36.2	40.2	42.5	44.1	44.5	45.7	46.1	46.3	46.4	46.6	46.9	47.2	47.3	47.6
GE 18000	25.7	33.6	36.2	40.2	42.5	44.1	44.5	45.7	46.1	46.3	46.4	46.6	46.8	47.2	47.3	47.6
GE 16000	25.7	33.6	36.2	40.2	42.5	44.1	44.5	45.7	46.1	46.3	46.4	46.6	46.8	47.2	47.3	47.6
GE 14000	26.1	33.9	36.5	40.5	42.9	44.5	44.8	46.1	46.4	46.6	46.8	47.0	47.1	47.6	47.7	47.9
GE 12000	26.5	34.9	37.8	41.8	44.1	45.7	46.1	47.4	47.8	48.0	48.1	48.4	48.5	48.9	49.0	49.3
GE 10000	28.4	37.4	40.4	44.5	47.2	48.8	49.1	50.5	51.0	51.2	51.3	51.5	51.6	52.1	52.2	52.4
GE 9000	29.6	39.7	42.7	47.1	49.9	51.5	51.9	53.2	53.9	54.2	54.3	54.5	54.6	55.1	55.2	55.4
GE 8000	30.4	40.7	43.7	48.2	51.1	52.8	53.1	54.5	55.2	55.4	55.5	55.7	55.9	56.3	56.4	56.7
GE 7000	30.6	41.0	43.9	48.5	51.3	53.0	53.4	54.8	55.5	55.7	55.9	56.1	56.2	56.7	56.8	57.0
GE 6000	31.6	42.9	46.0	50.5	53.5	55.2	55.5	57.1	57.8	58.0	58.1	58.4	58.5	58.9	59.0	59.3
GE 5000	33.6	46.3	49.5	54.5	57.5	59.2	59.5	61.1	61.8	62.0	62.1	62.3	62.5	62.9	63.0	63.3
GE 4500	34.7	47.7	51.1	56.1	59.0	60.8	61.1	62.7	63.5	63.7	63.8	64.1	64.2	64.6	64.7	65.0
GE 4000	35.7	49.8	53.2	58.4	61.3	63.0	63.4	65.1	65.9	66.1	66.2	66.4	66.6	67.0	67.1	67.3
GE 3500	36.7	51.4	54.8	60.0	62.9	64.6	65.0	66.7	67.5	67.7	67.8	68.0	68.1	68.6	68.7	68.9
GE 3000	38.6	54.3	58.0	63.5	66.7	68.4	68.7	70.4	71.2	71.4	71.6	71.8	71.9	72.4	72.5	72.7
GE 2500	39.5	55.5	59.5	65.2	68.6	70.3	70.6	72.5	73.3	73.5	73.6	73.8	73.9	74.4	74.5	74.7
GE 2000	39.9	57.3	61.5	67.5	70.9	72.7	73.3	75.1	75.9	76.1	76.2	76.5	76.6	77.0	77.1	77.4
GE 1800	40.3	58.1	62.5	68.4	71.9	73.7	74.3	76.2	77.0	77.2	77.4	77.6	77.7	78.2	78.3	78.5
GE 1500	40.4	59.8	63.1	69.3	73.2	75.0	75.5	77.5	78.3	78.5	78.6	78.8	79.0	79.4	79.5	79.7
GE 1200	41.4	61.2	65.5	71.8	75.7	77.5	78.3	80.4	81.3	81.6	81.7	82.0	82.1	82.6	82.7	82.9
GE 1000	42.7	62.9	67.3	73.7	77.6	79.5	80.4	82.7	83.6	83.8	84.0	84.3	84.4	84.9	85.0	85.2
GE 900	42.9	63.4	67.9	74.4	78.3	80.2	81.2	83.5	84.4	84.6	84.8	85.1	85.2	85.7	85.8	86.0
GE 800	42.9	63.7	68.3	75.0	78.8	80.8	81.8	84.2	85.1	85.3	85.4	85.8	85.9	86.3	86.5	86.7
GE 700	43.0	64.6	69.5	76.3	80.2	82.1	83.3	85.9	86.8	87.0	87.1	87.5	87.6	88.1	88.2	88.4
GE 600	43.3	65.4	70.3	77.4	81.2	83.3	84.4	87.0	87.9	88.2	88.3	88.6	88.7	89.2	89.3	89.5
GE 500	43.3	65.8	70.6	78.0	82.0	84.4	85.8	88.5	89.4	89.6	89.8	90.1	90.2	90.7	90.8	91.0
GE 400	43.3	66.0	71.1	78.6	83.4	86.1	87.7	90.6	91.5	91.7	91.8	92.2	92.3	92.7	92.8	93.1
GE 300	43.3	66.2	71.3	79.0	83.8	86.6	88.2	91.2	92.5	92.8	92.9	93.3	93.4	93.9	94.0	94.2
GE 200	43.3	66.6	71.7	79.4	84.4	87.1	88.7	91.8	93.2	93.6	93.7	94.1	94.2	94.7	94.8	95.0
GE 100	43.3	66.6	71.9	80.0	85.0	87.9	89.5	93.1	94.4	95.1	95.2	95.7	95.9	96.9	97.3	98.3
GE 0	43.3	66.6	71.9	80.0	85.0	87.9	89.5	93.2	94.5	95.4	95.7	96.0	96.2	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037467 STATION NAME: BUSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(EST): 0300-0500

CEILING	VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GT	GE	GE	GF	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	100	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	14.3	18.5	19.7	22.0	23.4	25.0	26.4	28.5	28.9	29.4	29.4	29.9	30.2	30.6	30.7	31.6
GE 20000	19.8	26.0	27.6	30.7	32.5	34.4	36.1	38.6	39.1	39.9	40.1	40.5	40.9	41.3	41.4	42.9
GE 18000	19.8	26.0	27.6	30.7	32.5	34.4	36.1	38.6	39.1	39.9	40.1	40.5	40.9	41.3	41.4	42.9
GE 16000	19.8	26.0	27.6	30.7	32.5	34.4	36.1	38.6	39.1	39.9	40.1	40.5	40.9	41.3	41.4	42.9
GE 14000	20.0	26.4	28.0	31.0	32.0	34.8	36.5	39.0	39.4	40.2	40.4	40.9	41.2	41.7	41.8	43.3
GE 12000	20.2	26.7	28.4	31.6	33.4	35.3	37.1	39.6	40.1	40.9	41.1	41.6	41.7	42.5	42.6	44.1
GE 10000	21.9	29.0	30.7	34.0	36.0	37.9	39.9	42.5	42.9	43.8	44.1	44.6	45.0	45.5	45.6	47.1
GE 9000	22.9	30.8	32.6	35.9	38.1	40.0	42.0	45.1	45.5	46.4	46.7	47.2	47.6	48.1	48.2	49.7
GE 8000	24.1	31.3	33.1	36.4	38.6	40.4	42.5	45.5	46.0	46.9	47.1	47.7	48.3	48.6	48.7	50.2
GE 7000	24.3	31.5	33.3	36.6	38.7	40.7	42.7	45.9	46.4	47.3	47.6	48.1	48.5	49.0	49.2	50.6
GE 6000	24.0	31.6	33.4	37.8	40.1	42.1	44.2	47.5	48.0	48.9	49.2	49.7	50.1	50.6	50.7	52.2
GE 5000	25.8	35.0	37.0	40.6	43.5	45.5	47.6	51.0	51.5	52.4	52.7	53.2	53.6	54.1	54.2	55.7
GE 4500	27.5	36.7	38.7	42.5	45.2	47.2	49.3	52.7	53.2	54.1	54.4	54.9	55.3	55.8	55.9	57.4
GE 4000	28.3	38.1	40.1	44.1	46.8	48.8	50.8	54.2	54.9	55.8	56.1	56.6	57.0	57.5	57.6	59.1
GE 3500	29.2	39.0	41.1	45.1	47.8	49.8	51.9	55.4	56.1	57.0	57.2	57.8	58.2	58.8	58.9	60.4
GE 3000	31.3	42.1	44.6	49.0	51.9	54.4	56.5	60.0	60.7	61.6	61.8	62.4	62.9	63.4	63.5	65.0
GE 2500	33.1	44.8	47.5	51.9	54.7	57.2	59.3	62.9	63.5	64.4	64.7	65.2	65.7	66.3	66.4	67.8
GE 2000	34.0	47.2	49.9	54.5	57.3	59.9	62.1	65.6	66.4	67.3	67.5	68.1	68.5	69.1	69.2	70.7
GE 1800	34.4	48.4	51.3	55.8	58.8	61.4	63.5	67.0	67.8	68.7	69.0	69.5	70.0	70.6	70.7	72.1
GE 1600	35.1	49.8	53.2	57.9	60.9	63.4	65.6	69.1	69.9	70.8	71.0	71.6	72.0	72.6	72.7	74.2
GE 1200	36.5	52.4	55.8	60.7	63.9	66.6	69.0	72.6	73.4	74.3	74.5	75.1	75.5	76.1	76.2	77.7
GE 1000	37.3	54.0	57.8	62.9	66.3	69.1	71.6	75.3	76.1	77.0	77.2	77.8	78.3	78.8	78.9	80.4
GE 900	37.6	54.9	58.9	63.9	67.3	70.1	72.7	76.4	77.2	78.1	78.4	78.9	79.4	80.0	80.1	81.5
GE 800	37.7	55.3	59.2	64.6	68.1	71.0	73.6	77.5	78.3	79.2	79.4	80.0	80.4	81.0	81.1	82.6
GE 700	38.3	56.2	60.4	65.7	69.4	72.4	75.1	78.9	79.8	80.7	81.0	81.5	82.0	82.6	82.7	84.1
GE 600	38.5	57.2	61.4	66.9	70.7	73.6	76.4	80.4	81.3	82.2	82.4	83.0	83.5	84.0	84.1	85.6
GE 500	38.7	57.4	61.6	67.4	71.1	74.5	77.5	81.5	82.6	83.5	83.7	84.3	84.7	85.3	85.4	86.9
GE 400	38.8	57.6	61.8	68.4	72.4	76.0	79.9	83.5	84.7	85.6	85.8	86.4	86.9	87.4	87.5	89.0
GE 300	39.4	57.8	61.9	68.5	73.7	77.0	80.2	85.1	86.3	87.2	87.4	88.0	88.4	89.0	89.1	90.6
GE 200	39.8	57.9	62.1	68.7	74.1	77.7	81.1	86.6	88.0	89.0	89.4	89.9	90.4	90.9	91.1	92.5
GE 100	39.8	57.9	62.1	69.2	74.7	78.5	82.0	87.8	89.4	90.7	91.2	92.0	92.5	93.4	93.7	95.7
GE 0	39.8	57.9	62.1	69.2	74.7	78.5	82.2	88.0	89.6	91.2	92.1	92.9	93.8	95.2	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 483

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENT-GE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037467 STATION NAME: 90SCOMLE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CLIC	13.7	18.3	18.9	20.5	22.1	23.2	24.2	25.4	25.7	25.8	26.0	26.0	26.5	26.6	26.6	26.8
GE 20000	19.6	26.7	27.6	30.0	32.4	33.7	35.1	36.5	36.8	37.0	37.4	37.4	37.8	38.1	38.1	38.3
GE 18000	19.7	27.0	27.9	30.2	32.6	34.0	35.3	36.7	37.0	37.3	37.6	37.6	38.1	38.3	38.3	38.5
GE 16000	19.7	27.0	27.9	30.2	32.6	34.0	35.3	36.7	37.0	37.3	37.6	37.6	38.1	38.3	38.3	38.5
GE 14000	20.0	28.0	28.9	31.3	33.6	35.0	36.4	37.7	38.1	38.3	38.6	38.6	39.1	39.3	39.3	39.5
GE 12000	20.4	28.8	29.7	32.0	34.4	35.8	37.1	38.7	39.1	39.3	39.6	39.6	40.1	40.3	40.3	40.5
GE 10000	22.8	31.5	32.5	35.2	38.3	39.6	41.0	42.6	42.9	43.3	43.7	43.6	44.1	44.3	44.3	44.5
GE 9000	23.6	32.8	33.9	36.8	40.1	41.7	43.1	44.7	45.1	45.4	45.8	45.8	46.2	46.4	46.4	46.7
GE 8000	23.7	33.2	34.2	37.3	40.5	42.1	43.6	45.2	45.5	45.9	46.2	46.2	46.7	46.9	46.9	47.1
GE 7000	24.0	33.6	34.7	37.7	41.1	42.7	44.2	45.8	46.1	46.4	46.7	46.8	47.2	47.5	47.5	47.7
GE 6000	25.1	34.8	36.0	39.1	42.5	44.1	45.5	47.1	47.6	47.9	48.2	48.2	48.7	48.9	48.9	49.2
GE 5000	25.9	36.2	37.6	40.7	44.2	45.9	47.5	49.2	49.6	49.9	50.2	50.4	51.0	51.3	51.3	51.5
GE 4500	27.9	38.2	40.0	43.1	46.7	48.5	50.1	51.9	52.3	52.7	53.0	53.1	53.7	54.1	54.1	54.4
GE 4000	29.7	40.4	42.6	45.4	49.7	50.8	52.7	54.5	54.9	55.3	55.6	55.7	56.4	56.9	56.9	57.1
GE 3500	30.1	41.3	42.9	46.4	50.7	52.1	54.0	55.8	56.3	56.6	57.0	57.1	57.8	58.2	58.2	58.4
GE 3000	32.6	44.5	46.3	49.8	53.7	55.6	57.5	59.3	59.8	60.1	60.5	60.6	61.3	61.7	61.7	61.9
GE 2500	33.7	46.0	47.9	51.5	55.5	57.4	59.3	61.2	61.6	61.9	62.3	62.4	63.1	63.5	63.5	63.8
GE 2000	35.3	48.2	50.2	53.8	58.7	60.0	61.9	63.8	64.3	64.7	65.0	65.1	65.8	66.3	66.3	66.5
GE 1800	36.1	49.2	51.1	55.0	59.2	61.3	63.2	65.1	65.7	66.0	66.4	66.5	67.2	67.6	67.6	67.8
GE 1600	33.6	52.2	54.1	58.2	62.4	64.4	66.4	68.3	68.9	69.2	69.5	69.6	70.3	70.8	70.8	71.0
GE 1200	41.4	56.2	58.1	62.2	66.5	68.5	70.4	72.6	73.3	73.6	74.0	74.1	74.7	75.2	75.2	75.4
GE 1000	42.8	58.4	60.7	65.1	69.4	71.6	73.5	75.8	76.4	76.8	77.1	77.2	77.9	78.4	78.4	78.6
GE 900	43.1	59.7	62.1	66.5	70.9	73.0	75.0	77.2	77.9	78.3	78.6	78.7	79.4	79.8	79.8	80.1
GE 800	43.0	61.2	63.6	68.3	72.7	75.1	77.1	79.5	80.2	80.5	80.9	81.0	81.7	82.1	82.1	82.3
GE 700	44.8	62.7	65.3	70.1	74.7	77.0	79.2	81.5	82.2	82.6	82.9	83.0	83.7	84.1	84.1	84.4
GE 600	45.3	64.2	67.0	72.4	76.5	79.4	81.5	83.9	84.8	85.2	85.5	85.6	86.3	86.7	86.7	87.0
GE 500	45.4	64.5	67.3	73.4	78.1	80.7	83.2	85.7	86.6	87.0	87.2	87.4	88.1	88.6	88.6	88.8
GE 400	45.9	65.6	68.9	74.5	80.7	82.8	85.7	88.3	89.4	89.7	90.0	90.1	90.8	91.3	91.3	91.5
GE 300	45.9	65.8	69.3	75.2	81.1	84.3	87.4	90.7	91.8	92.3	92.6	92.8	93.4	93.9	93.9	94.1
GE 200	45.9	65.9	69.5	76.1	82.4	85.6	88.9	92.8	94.1	94.6	94.9	95.1	95.8	96.3	96.3	96.6
GE 100	45.9	65.9	69.5	76.2	82.7	86.1	89.4	93.7	95.0	95.9	96.4	96.7	97.4	98.3	98.3	98.9
GE 0	45.9	65.9	69.5	76.2	82.6	86.1	89.4	93.7	95.0	96.2	96.6	96.9	97.7	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 883

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(EST): 0900-1100

CEILING IN FEET	GE 160	GE 90	GE 80	GE 60	GE 45	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.7	21.7	22.9	24.7	25.9	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
GE 20000	23.2	29.8	31.7	33.9	35.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 18000	23.2	29.8	31.7	33.9	35.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 16000	23.2	29.8	31.7	33.9	35.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 14000	24.1	30.8	32.7	35.0	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 12000	25.8	32.8	34.9	37.1	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 10000	28.1	36.3	38.7	41.4	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 9000	29.1	37.5	40.0	43.0	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 8000	29.5	37.8	40.4	43.3	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 7000	29.9	38.2	40.8	43.8	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 6000	31.0	39.6	42.2	45.1	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 5000	35.2	44.2	46.8	49.8	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 4500	38.7	48.3	50.8	53.9	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 4000	41.1	51.2	54.0	57.1	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 3500	43.1	53.3	56.1	59.3	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 3000	45.8	56.1	58.9	62.3	63.6	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 2500	49.3	60.2	63.0	66.5	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 2000	54.0	65.4	68.3	71.8	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 1800	55.6	67.4	70.3	73.9	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 1600	59.4	72.2	75.1	78.9	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1200	62.3	76.3	79.4	83.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1000	63.8	78.9	82.2	87.2	89.1	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 900	64.1	79.5	83.0	88.2	90.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 800	64.3	80.0	83.6	88.9	90.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 700	64.7	81.0	84.6	90.1	92.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 600	65.4	82.7	86.5	92.2	94.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 500	65.5	82.8	86.7	92.5	95.1	96.5	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 400	65.5	83.2	87.4	93.1	96.5	97.5	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 300	65.5	83.5	87.6	93.8	97.4	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	65.5	83.5	87.6	93.8	97.4	98.5	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	65.5	83.5	87.6	93.8	97.4	98.5	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 70	65.5	83.5	87.6	93.8	97.4	98.5	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMME DOWN UN

PERIOD OF RECORD: 77-84  
MONTH: JUN HOURS/SET: 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 40	GE 60	GE 49	GE 40	GL 32	GE 24	GE 20	GE 16	GL 12	GE 10	GE 8	GE 5	GE 4	GE 0
40	CEIL	17.4	21.6	22.5	22.7	23.4	25.0	27.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
GE	20000	25.8	32.0	32.5	33.5	33.7	35.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE	18000	25.9	32.1	33.0	33.6	33.8	35.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE	16000	25.9	32.1	33.3	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE	14000	26.5	33.1	34.3	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE	12000	27.8	34.6	35.9	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE	10000	30.2	38.1	39.4	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE	9000	30.9	39.3	40.6	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE	8000	31.1	39.5	41.0	41.9	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE	7000	31.6	40.5	42.0	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE	6000	33.4	42.4	43.9	44.8	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE	5000	42.8	52.9	54.4	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE	4500	46.9	60.0	61.5	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE	4000	53.4	65.2	66.7	68.3	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE	3500	55.9	68.1	69.7	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE	3000	57.3	71.7	73.3	75.1	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE	2500	63.5	76.6	79.0	80.1	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE	2000	67.5	81.3	82.9	85.0	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE	1500	68.7	82.7	84.4	86.5	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	1000	71.0	85.5	87.0	89.5	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE	750	72.6	88.3	90.0	92.5	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE	500	73.2	89.4	91.0	93.6	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE	400	73.3	89.8	91.0	94.2	95.1	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	300	73.4	90.2	92.1	94.9	95.4	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE	200	73.5	90.5	92.5	95.5	96.5	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE	100	73.6	91.0	93.0	96.2	97.7	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE	50	73.8	91.4	93.7	96.7	98.0	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	40	73.9	91.5	93.8	96.8	98.2	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	30	74.0	91.6	93.9	96.9	98.5	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	20	74.0	91.6	93.9	96.9	98.5	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	10	74.0	91.6	93.9	96.9	98.5	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	5	74.0	91.6	93.9	96.9	98.5	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 964

GLOFAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-84  
MONTH: JUN HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		20.1	24.4	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
GE	20000	31.6	37.7	37.9	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE	18000	31.6	37.7	37.9	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE	16000	31.6	37.7	37.9	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE	14000	32.1	38.5	38.7	38.8	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE	12000	33.6	40.2	40.4	40.5	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE	10000	36.8	44.1	44.6	44.7	44.9	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE	9000	38.9	46.8	47.3	47.4	47.6	47.7	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE	8000	39.0	47.3	47.7	47.9	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE	7000	40.2	48.4	48.9	49.0	49.5	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE	6000	43.0	51.6	52.1	52.3	52.9	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE	5000	53.8	63.6	64.1	64.4	65.0	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE	4000	59.6	69.9	70.5	70.8	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE	3000	62.9	74.3	75.0	75.3	76.0	76.2	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE	2000	64.1	75.7	76.4	76.6	77.7	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE	1000	67.3	79.3	80.1	80.5	81.4	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	2000	70.2	82.5	83.3	83.7	84.6	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	1800	70.9	85.5	86.8	87.2	88.2	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE	1600	74.4	87.3	88.8	89.5	90.5	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE	1400	76.0	89.3	90.7	91.4	92.4	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE	1200	76.6	90.8	92.4	93.4	94.7	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE	1000	76.7	91.3	92.9	94.2	95.6	95.9	96.0	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE	900	76.9	91.6	93.2	94.6	95.7	96.4	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	800	76.9	91.7	93.3	94.8	96.2	96.7	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE	700	76.9	92.1	93.7	95.1	96.5	97.4	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE	600	77.0	92.2	93.9	95.5	97.2	97.7	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	500	77.0	92.2	94.4	95.5	97.3	98.0	98.3	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	400	77.0	92.3	94.0	95.7	97.5	98.3	98.9	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	300	77.0	92.3	94.0	95.7	97.5	98.4	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	200	77.0	92.3	94.0	95.8	97.6	98.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	77.0	92.3	94.0	95.8	97.6	98.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	77.0	92.3	94.0	95.8	97.6	98.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 884

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(EST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GE 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	1	25.0	30.2	30.9	31.7	31.8	32.0	32.0	32.0	32.0	32.0	32.2	32.2	32.2	32.2	32.2	
GE 2000		37.6	44.7	45.4	46.4	46.5	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	
GE 1800		37.6	44.7	45.4	46.4	46.5	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	
GE 1600		37.7	44.8	45.5	46.5	46.6	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	
GE 1400		38.5	45.6	46.3	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	
GE 1200		40.0	47.3	48.0	49.0	49.1	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	
GE 1000		42.4	50.7	51.4	52.7	52.8	53.0	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	
GE 900		43.8	52.9	53.6	54.8	55.2	55.4	55.4	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	
GE 800		44.8	54.0	54.7	56.1	56.4	56.7	56.7	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	
GE 700		45.0	54.4	55.1	56.4	56.8	57.0	57.0	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	
GE 600		48.0	57.6	58.3	59.6	60.0	60.2	60.2	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	
GE 500		52.6	63.9	64.7	66.2	67.0	67.5	67.5	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	
GE 450		57.4	68.7	69.3	70.9	71.7	72.2	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	
GE 400		59.2	70.6	71.6	73.3	74.1	74.7	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	
GE 350		61.3	72.7	74.0	75.8	76.7	77.3	77.4	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	
GE 300		64.2	76.4	77.9	79.7	80.7	81.4	81.5	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	
GE 250		66.6	79.2	80.8	82.8	83.8	84.5	84.6	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	
GE 200		69.7	82.0	83.6	85.7	86.8	87.5	87.6	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	
GE 180		69.3	83.4	85.2	87.1	88.1	88.8	88.9	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	
GE 150		70.7	85.2	87.0	89.1	90.1	90.8	90.9	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	
GE 120		71.7	86.8	88.7	91.0	92.1	92.9	93.0	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	
GE 100		72.2	87.7	89.7	92.1	93.3	94.1	94.2	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	
GE 90		72.7	87.8	89.9	92.2	93.4	94.2	94.3	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	
GE 80		72.5	88.1	90.2	92.6	93.7	94.5	94.6	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	
GE 70		72.6	88.3	90.3	92.7	94.0	94.9	95.0	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	
GE 60		72.6	88.5	90.5	93.2	94.4	95.3	95.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	
GE 50		72.6	88.7	90.6	93.5	94.9	95.8	95.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	
GE 40		72.6	88.9	91.1	94.1	95.8	96.7	96.9	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	
GE 30		72.6	88.9	91.1	94.2	96.0	97.0	97.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	
GE 20		72.6	88.9	91.1	94.2	96.0	97.0	97.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	
GE 10		72.6	88.9	91.1	94.2	96.0	97.0	97.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	
GE 0		72.6	88.9	91.1	94.2	96.0	97.0	97.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 977

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	22.3	31.0	33.1	35.2	36.1	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 20000	29.9	41.6	43.9	46.3	47.3	47.5	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.4
GE 18000	30.0	41.7	44.0	46.4	47.4	47.6	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5
GE 16000	30.0	41.7	44.0	46.4	47.4	47.6	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5
GE 14000	30.7	42.6	44.9	47.3	48.3	48.5	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4
GE 12000	33.2	45.7	48.0	50.3	51.4	51.6	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5
GE 10000	35.1	48.4	50.8	54.1	55.1	55.3	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.3
GE 9000	36.8	51.1	53.8	57.3	58.3	58.5	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4
GE 8000	37.0	51.5	54.1	57.6	58.6	58.9	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8
GE 7000	37.4	52.0	54.7	58.2	59.2	59.4	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3
GE 6000	38.6	53.4	56.0	59.9	60.9	61.1	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0
GE 5000	41.7	57.7	60.6	64.7	66.2	66.5	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4
GE 4500	42.6	59.1	62.0	66.4	68.0	68.2	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2
GE 4000	43.2	60.3	63.3	67.6	69.4	69.7	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
GE 3500	44.5	62.2	65.2	69.8	71.6	71.8	72.4	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.0
GE 3000	47.7	66.3	69.3	74.2	76.0	76.3	76.8	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6
GE 2500	48.5	67.4	70.6	75.7	77.6	77.8	78.5	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.3
GE 2000	49.5	69.3	72.7	78.0	80.1	80.3	81.0	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.9
GE 1800	50.7	71.0	74.4	79.7	81.8	82.0	82.8	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.9
GE 1500	51.9	72.7	76.1	81.5	83.6	84.1	85.0	85.6	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.1
GE 1200	53.0	74.7	78.2	83.6	85.9	86.4	87.3	87.8	88.1	88.2	88.3	88.4	88.4	88.5	88.5	88.6
GE 1000	53.8	75.8	79.3	84.8	87.2	87.8	88.8	89.4	89.7	89.8	89.9	90.0	90.0	90.1	90.1	90.2
GE 900	54.1	76.4	79.9	85.6	88.1	88.8	89.7	90.3	90.6	90.7	90.8	90.9	90.9	91.0	91.0	91.1
GE 800	54.3	76.8	80.7	86.5	89.2	90.0	90.9	91.6	91.8	91.9	92.0	92.2	92.2	92.3	92.3	92.4
GE 700	54.4	77.2	81.1	87.2	89.9	90.7	91.6	92.4	92.7	92.8	93.0	93.1	93.1	93.2	93.2	93.3
GE 600	54.5	77.5	81.6	87.6	90.6	91.5	92.4	93.2	93.5	93.6	93.9	94.0	94.0	94.1	94.1	94.2
GE 500	54.5	77.5	81.9	88.1	91.5	92.4	93.3	94.2	94.5	94.7	94.9	95.0	95.0	95.1	95.1	95.2
GE 400	54.5	77.7	82.3	88.8	92.4	93.5	94.4	95.3	95.7	95.8	96.0	96.1	96.1	96.3	96.3	96.4
GE 300	54.5	77.8	82.4	89.1	93.0	94.1	95.0	96.1	96.5	96.6	96.8	96.9	96.9	97.0	97.0	97.2
GE 200	54.5	78.0	82.5	89.2	93.2	94.7	95.7	97.0	97.5	97.8	98.2	98.3	98.3	98.4	98.4	98.5
GE 100	54.5	78.0	82.6	89.3	93.3	94.8	95.9	97.4	98.0	98.4	98.9	99.0	99.1	99.2	99.2	99.4
GE 0	54.5	78.0	82.6	89.3	93.3	94.8	95.9	97.4	98.0	98.5	98.9	99.1	99.2	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 880



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	18.0	24.2	25.3	26.8	27.8	28.4	28.8	29.3	29.4	29.5	29.6	29.7	29.8	29.8	29.9	30.1
GE 20000	26.6	34.0	35.4	37.3	38.5	39.2	39.7	40.4	40.5	40.7	40.8	40.9	41.0	41.1	41.1	41.4
GE 18000	26.7	34.1	35.4	37.4	38.6	39.3	39.8	40.4	40.6	40.7	40.8	40.9	41.0	41.2	41.2	41.5
GE 16000	26.7	34.1	35.5	37.4	38.6	39.3	39.8	40.5	40.6	40.8	40.9	41.0	41.1	41.2	41.2	41.5
GE 14000	27.2	34.8	36.3	38.2	39.4	40.1	40.6	41.3	41.4	41.6	41.6	41.7	41.9	42.0	42.0	42.3
GE 12000	28.4	36.4	37.9	39.8	41.0	41.7	42.2	42.9	43.1	43.2	43.3	43.4	43.5	43.7	43.7	44.0
GE 10000	30.7	39.4	41.0	43.3	44.7	45.4	45.9	46.6	46.8	47.0	47.1	47.2	47.3	47.4	47.5	47.7
GE 9000	31.9	41.4	43.0	45.5	46.9	47.6	48.2	49.0	49.2	49.4	49.5	49.6	49.7	49.8	49.9	50.1
GE 8000	32.3	41.9	43.6	46.1	47.5	48.3	48.8	49.7	49.8	50.0	50.1	50.2	50.3	50.5	50.5	50.8
GE 7000	32.7	42.4	44.1	46.6	48.1	48.8	49.4	50.3	50.5	50.6	50.7	50.8	51.0	51.1	51.1	51.4
GE 6000	34.3	44.3	46.1	48.6	50.1	50.9	51.5	52.4	52.6	52.8	52.8	53.0	53.1	53.2	53.3	53.5
GE 5000	39.0	50.0	51.8	54.6	56.3	57.1	57.7	58.6	58.8	59.0	59.1	59.2	59.3	59.5	59.5	59.8
GE 4500	42.1	53.5	55.5	58.3	60.0	60.9	61.5	62.4	62.6	62.8	62.9	63.0	63.1	63.3	63.4	63.6
GE 4000	44.1	56.2	58.2	61.2	63.0	63.8	64.5	65.4	65.6	65.8	65.9	66.0	66.2	66.4	66.4	66.7
GE 3500	45.6	58.0	60.0	63.1	64.9	65.8	66.4	67.4	67.6	67.8	67.9	68.0	68.2	68.4	68.4	68.6
GE 3000	49.3	61.3	63.6	66.8	68.7	69.6	70.3	71.3	71.5	71.7	71.8	71.9	72.1	72.3	72.3	72.6
GE 2500	50.5	64.0	66.3	69.7	71.6	72.6	73.3	74.3	74.5	74.7	74.8	74.9	75.1	75.3	75.3	75.5
GE 2000	52.7	67.0	69.5	72.9	75.0	75.9	76.7	77.7	78.0	78.2	78.2	78.4	78.5	78.7	78.7	79.0
GE 1800	53.7	68.4	71.0	74.5	76.6	77.5	78.3	79.3	79.6	79.8	79.9	80.0	80.2	80.4	80.4	80.6
GE 1500	55.4	70.7	73.3	77.0	79.1	80.1	80.8	81.9	82.2	82.4	82.5	82.6	82.8	83.0	83.0	83.2
GE 1200	56.9	73.3	76.0	79.9	82.1	83.2	84.0	85.2	85.5	85.7	85.8	86.0	86.1	86.3	86.3	86.6
GE 1000	57.8	74.8	77.6	81.7	84.1	85.4	86.2	87.4	87.7	87.9	88.0	88.2	88.3	88.5	88.6	88.8
GE 900	58.1	75.4	78.3	82.4	84.9	86.2	87.0	88.3	88.6	88.8	88.9	89.1	89.2	89.4	89.4	89.7
GE 800	58.3	75.9	78.9	83.2	85.7	87.0	87.9	89.2	89.5	89.7	89.8	90.0	90.1	90.3	90.4	90.6
GE 700	58.5	76.6	79.7	84.1	86.4	88.1	89.0	90.4	90.7	91.0	91.1	91.2	91.4	91.6	91.6	91.9
GE 600	58.8	77.3	80.6	85.2	87.9	89.3	90.3	91.7	92.1	92.3	92.4	92.6	92.7	92.9	93.0	93.2
GE 500	58.9	77.6	80.9	85.6	88.6	90.1	91.2	92.7	93.1	93.3	93.4	93.6	93.8	94.0	94.0	94.2
GE 400	59.0	77.9	81.3	86.3	89.6	91.2	92.5	94.1	94.6	94.8	95.0	95.1	95.3	95.5	95.5	95.8
GE 300	59.0	78.0	81.5	86.6	90.1	91.9	93.2	95.1	95.7	95.9	96.0	96.2	96.4	96.6	96.6	96.8
GE 200	59.0	78.1	81.6	86.8	90.5	92.3	93.7	95.9	96.5	96.8	97.0	97.1	97.3	97.5	97.5	97.8
GE 100	59.0	78.1	81.6	86.9	90.7	92.6	94.1	96.4	97.0	97.5	97.7	97.9	98.1	98.5	98.6	99.0
GE 71	59.7	78.1	81.6	86.9	90.7	92.6	94.1	96.4	97.1	97.6	97.9	98.1	98.4	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 7059

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	22.7	33.1	35.5	38.7	40.0	41.5	42.1	43.7	44.3	44.7	45.0	45.0	45.0	45.2	45.2	45.3
GE 20000	26.7	39.7	42.6	46.5	48.1	49.9	50.9	52.4	53.1	53.4	53.8	53.8	53.8	54.0	54.0	54.1
GE 18000	26.7	39.7	42.6	46.5	48.1	49.9	50.9	52.4	53.1	53.4	53.8	53.8	53.8	54.0	54.0	54.1
GE 16000	26.7	39.7	42.6	46.5	48.1	49.9	50.9	52.4	53.1	53.4	53.8	53.8	53.8	54.0	54.0	54.1
GE 14000	26.7	39.8	42.7	46.6	48.3	50.1	51.1	52.7	53.3	53.7	54.0	54.0	54.0	54.2	54.2	54.3
GE 12000	27.7	41.4	44.2	48.2	50.1	52.0	53.0	54.5	55.2	55.7	56.0	56.0	56.0	56.2	56.2	56.3
GE 10000	29.6	44.5	47.6	51.9	54.3	56.4	57.4	59.0	59.6	60.1	60.4	60.4	60.4	60.6	60.6	60.8
GE 9000	30.3	45.5	48.8	53.2	56.0	58.1	59.3	60.9	61.5	62.0	62.3	62.3	62.3	62.5	62.5	62.6
GE 8000	30.3	45.6	48.9	53.3	56.1	58.2	59.4	61.0	61.6	62.1	62.4	62.4	62.4	62.6	62.6	62.7
GE 7000	30.3	45.6	48.9	53.3	56.2	58.3	59.5	61.1	61.8	62.2	62.5	62.5	62.5	62.7	62.7	62.9
GE 6000	30.7	46.1	49.4	54.0	56.7	59.0	60.2	61.8	62.4	62.9	63.2	63.2	63.2	63.4	63.4	63.5
GE 5000	32.9	49.0	52.7	57.5	60.5	62.6	64.1	65.7	66.4	66.9	67.2	67.2	67.2	67.4	67.4	67.5
GE 4500	33.8	50.6	54.2	59.3	62.3	64.4	65.9	67.5	68.2	68.6	69.0	69.0	69.0	69.2	69.2	69.3
GE 4000	34.1	51.3	55.1	60.3	63.3	65.4	66.9	68.6	69.3	69.7	70.1	70.1	70.1	70.3	70.3	70.4
GE 3500	35.5	52.9	56.7	61.9	64.9	67.1	68.6	70.4	71.1	71.5	71.8	71.8	71.8	72.1	72.1	72.2
GE 3000	37.5	55.3	59.1	64.3	67.4	69.7	71.3	73.1	73.7	74.2	74.5	74.5	74.5	74.7	74.7	74.8
GE 2500	39.4	57.8	61.6	67.1	70.2	72.6	74.3	76.1	76.7	77.2	77.5	77.5	77.5	77.7	77.7	77.8
GE 2000	40.9	59.9	64.0	69.4	72.5	74.9	76.7	78.5	79.2	79.6	79.9	79.9	79.9	80.2	80.2	80.3
GE 1800	40.9	60.0	64.2	70.0	73.1	75.5	77.3	79.0	79.7	80.2	80.5	80.5	80.5	80.7	80.7	80.8
GE 1500	41.7	61.3	65.5	71.5	74.7	77.2	78.9	80.8	81.5	81.9	82.3	82.3	82.3	82.5	82.5	82.6
GE 1200	43.3	63.9	68.1	74.1	77.3	79.8	81.6	83.6	84.3	84.7	85.0	85.0	85.0	85.3	85.3	85.4
GE 1000	44.2	65.1	69.3	75.3	78.6	81.4	83.1	85.1	85.8	86.3	86.6	86.6	86.6	86.8	86.8	86.9
GE 900	44.8	66.0	70.2	76.3	79.6	82.4	84.1	86.1	86.8	87.3	87.6	87.6	87.6	87.8	87.8	87.9
GE 800	45.1	66.4	70.6	76.7	80.0	82.8	84.6	86.6	87.3	87.7	88.0	88.0	88.0	88.2	88.2	88.4
GE 700	45.3	67.3	72.0	78.2	81.5	84.3	86.0	88.0	88.7	89.1	89.5	89.5	89.5	89.7	89.7	89.8
GE 600	45.9	68.4	73.3	79.6	83.0	86.1	88.0	90.0	90.7	91.1	91.5	91.5	91.5	91.7	91.7	91.8
GE 500	46.0	69.0	73.6	80.3	83.7	86.8	88.7	90.8	91.5	91.9	92.2	92.2	92.2	92.5	92.5	92.6
GE 400	46.0	70.0	74.9	81.8	85.3	88.5	90.6	92.9	93.6	94.0	94.3	94.3	94.3	94.6	94.6	94.7
GE 300	46.2	71.1	76.5	83.8	87.7	90.7	92.9	95.6	96.2	96.6	97.0	97.0	97.0	97.2	97.2	97.3
GE 200	46.2	71.2	76.6	84.0	87.6	91.2	93.5	96.5	97.1	97.6	97.9	97.9	97.9	98.1	98.1	98.2
GE 100	46.3	71.3	76.7	84.3	88.0	91.8	94.0	97.1	98.0	98.4	98.8	98.8	98.8	99.0	99.0	99.1
GE 0	46.3	71.3	76.7	84.3	88.0	91.8	94.0	97.1	98.1	98.6	99.1	99.1	99.1	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 902

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	13.1	19.4	21.9	24.5	26.5	28.0	28.9	30.0	31.0	31.3	32.0	32.2	32.6	33.2	33.4	34.4
GE 20000	16.4	25.2	28.4	31.7	34.2	36.0	37.1	38.7	39.6	40.2	40.9	41.1	41.5	42.1	42.3	43.4
GE 18000	16.4	25.2	28.4	31.7	34.2	36.0	37.1	38.7	39.6	40.2	40.9	41.1	41.5	42.1	42.3	43.4
GE 16000	16.5	25.3	28.5	31.8	34.3	36.1	37.2	38.8	39.8	40.3	41.0	41.2	41.6	42.2	42.4	43.5
GE 14000	17.1	26.0	29.2	32.5	35.0	36.9	38.1	39.8	40.7	41.3	41.9	42.3	42.7	43.3	43.5	44.6
GE 12000	18.2	27.5	30.9	34.3	36.8	38.7	40.0	41.7	42.7	43.3	43.9	44.2	44.7	45.2	45.6	46.7
GE 10000	19.4	29.7	33.2	36.9	39.5	41.5	42.9	44.7	45.7	46.2	46.9	47.2	47.6	48.2	48.5	49.6
GE 9000	19.9	30.4	34.1	38.0	41.0	42.9	44.8	46.8	47.8	48.3	49.0	49.3	49.7	50.4	50.7	51.8
GE 8000	20.0	30.7	34.3	38.2	41.2	43.2	45.1	47.1	48.1	48.6	49.3	49.6	50.1	50.7	51.0	52.1
GE 7000	20.2	31.1	34.8	38.8	41.7	43.7	45.7	47.8	48.7	49.3	49.9	50.3	50.7	51.4	51.7	52.8
GE 6000	20.7	31.8	35.6	39.6	42.6	44.6	46.7	48.7	49.8	50.4	51.0	51.4	51.8	52.5	52.8	53.9
GE 5000	23.0	34.3	38.1	42.3	45.2	47.2	49.5	51.6	52.8	53.7	54.3	54.7	55.1	55.8	56.1	57.2
GE 4500	24.2	36.5	40.4	44.9	48.0	50.1	52.4	54.4	55.6	56.5	57.2	57.5	57.9	58.6	58.9	60.0
GE 4000	24.6	37.2	41.3	45.9	49.0	51.0	53.5	55.5	56.8	57.7	58.4	58.7	59.1	59.8	60.1	61.2
GE 3500	25.8	38.9	43.2	48.0	51.0	53.1	55.5	57.6	59.0	59.9	60.6	60.9	61.3	62.0	62.3	63.4
GE 3000	28.7	41.9	46.3	51.5	54.7	56.8	59.4	61.4	62.9	63.7	64.4	64.7	65.2	65.8	66.2	67.3
GE 2500	30.1	43.9	48.4	53.8	57.1	59.3	61.8	63.9	65.3	66.3	66.9	67.3	67.7	68.3	68.7	69.8
GE 2000	32.3	47.2	51.9	57.5	61.1	63.3	65.8	68.1	69.6	70.5	71.2	71.5	72.0	72.6	72.9	74.0
GE 1800	33.0	48.1	52.8	58.4	62.0	64.2	66.7	69.0	70.4	71.4	72.1	72.4	72.8	73.5	73.8	74.9
GE 1600	33.7	49.2	53.9	59.6	63.3	65.5	68.1	70.4	71.9	72.8	73.5	73.8	74.3	74.9	75.2	76.3
GE 1200	34.8	50.6	55.4	61.6	65.4	67.8	70.4	72.7	74.3	75.2	75.9	76.2	76.7	77.3	77.7	78.8
GE 1000	35.5	51.8	56.7	63.0	67.0	69.4	72.1	74.4	75.9	77.0	77.7	78.0	78.4	79.1	79.4	80.5
GE 900	36.0	52.7	57.6	63.9	68.1	70.5	73.2	75.5	77.0	78.1	78.8	79.1	79.5	80.2	80.5	81.6
GE 800	36.6	53.3	58.3	64.6	68.9	71.3	73.9	76.2	77.9	78.9	79.5	79.8	80.3	80.9	81.3	82.4
GE 700	36.8	54.5	59.6	66.2	70.4	72.9	75.7	78.1	79.6	80.8	81.5	81.8	82.3	82.9	83.2	84.3
GE 600	37.5	56.2	61.3	68.3	72.8	75.7	78.5	80.9	82.5	83.7	84.3	84.7	85.1	85.8	86.1	87.3
GE 500	37.7	57.7	63.1	70.9	75.5	78.3	81.2	83.9	85.4	86.6	87.3	87.6	88.1	88.7	89.0	90.3
GE 400	37.8	57.8	63.3	71.5	76.5	79.3	82.1	85.2	86.7	88.0	88.6	88.9	89.4	90.0	90.4	91.6
GE 300	37.8	58.1	64.0	72.8	78.0	80.9	83.8	87.1	88.6	89.8	90.5	90.9	91.3	92.0	92.3	93.5
GE 200	37.8	58.2	64.2	73.3	79.2	82.9	85.9	89.4	91.1	92.6	93.2	93.6	94.1	94.7	95.1	96.3
GE 100	37.8	58.4	64.4	73.5	79.4	83.4	86.3	90.0	91.8	93.3	94.0	94.6	95.2	96.2	96.6	98.0
GE 0	37.8	58.4	64.4	73.5	79.4	83.4	86.3	90.0	91.8	93.4	94.5	95.0	95.6	96.9	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 913

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86

MONTH: JUL HOURS(1ST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	13.1	18.8	20.0	21.3	23.6	24.0	24.8	26.3	26.9	27.0	27.3	27.4	27.7	27.7	27.8	27.9
GE 20000	17.4	25.1	26.7	28.2	31.1	31.7	32.8	34.8	35.7	35.8	36.1	36.2	36.4	36.4	36.6	36.8
GE 18000	17.4	25.1	26.7	28.2	31.1	31.7	32.8	34.8	35.7	35.8	36.1	36.2	36.4	36.4	36.6	36.8
GE 16000	17.4	25.1	26.7	28.2	31.1	31.7	32.8	34.8	35.7	35.8	36.1	36.2	36.4	36.4	36.6	36.8
GE 14000	18.0	25.8	27.3	29.0	31.9	32.4	33.7	35.7	36.8	36.9	37.2	37.3	37.6	37.6	37.7	37.9
GE 12000	18.9	27.0	28.7	30.7	33.8	34.3	35.6	37.6	38.8	39.0	39.3	39.4	39.7	39.8	39.9	40.1
GF 10000	21.4	31.2	33.0	35.1	38.3	39.0	40.3	42.6	43.9	44.1	44.4	44.6	44.8	44.9	45.0	45.2
GE 9000	22.0	32.1	34.1	36.2	40.0	40.9	42.3	44.6	45.9	46.1	46.4	46.6	46.8	46.9	47.0	47.2
GE 8000	22.2	32.4	34.4	36.8	40.7	41.6	43.0	45.2	46.6	46.8	47.1	47.2	47.4	47.6	47.7	47.9
GF 7000	22.4	32.9	34.9	37.2	41.1	42.0	43.4	45.7	47.0	47.2	47.6	47.7	47.9	48.0	48.1	48.3
GF 6000	23.8	34.2	36.2	38.6	42.4	43.3	44.8	47.0	48.4	48.7	49.0	49.1	49.3	49.6	49.7	49.9
GE 5000	25.4	36.1	38.1	40.4	44.3	45.3	46.9	49.1	50.6	50.8	51.1	51.2	51.4	51.7	51.8	52.0
GE 4500	26.9	38.3	40.4	43.0	47.0	48.0	49.7	51.9	53.4	53.7	54.0	54.1	54.3	54.6	54.7	54.9
GF 4000	27.9	39.6	41.8	44.6	48.6	49.6	51.2	53.4	55.0	55.2	55.6	55.7	55.9	56.1	56.2	56.4
GE 3500	29.3	41.2	43.4	46.4	50.6	51.6	53.2	55.4	57.0	57.2	57.6	57.7	57.9	58.1	58.2	58.4
GF 3000	31.0	43.7	45.9	49.0	53.1	54.1	55.9	58.1	59.7	60.0	60.3	60.4	60.7	60.9	61.0	61.2
GF 2500	34.0	46.9	49.1	52.3	56.6	57.6	59.3	61.6	63.1	63.4	63.8	63.9	64.1	64.3	64.4	64.7
GF 2000	36.2	49.4	51.8	55.0	59.2	60.2	62.0	64.2	65.8	66.1	66.4	66.6	66.8	67.0	67.1	67.3
GF 1800	37.8	51.4	53.8	57.0	61.2	62.2	64.0	66.2	67.8	68.1	68.4	68.6	68.8	69.0	69.1	69.3
GF 1500	39.6	53.8	56.1	59.6	63.9	65.0	66.8	69.0	70.6	70.9	71.2	71.3	71.6	71.8	71.9	72.1
GF 1200	41.2	56.1	58.6	62.0	66.3	67.6	69.3	71.6	73.1	73.4	73.6	73.9	74.1	74.3	74.4	74.7
GE 1000	42.4	58.3	60.8	64.2	68.7	70.0	71.9	74.1	75.8	76.1	76.4	76.6	76.8	77.0	77.1	77.3
GE 900	43.4	59.8	62.4	66.0	70.4	71.8	73.7	75.9	77.6	77.9	78.2	78.3	78.6	78.8	78.9	79.1
GE 800	43.8	60.7	63.3	66.9	71.6	73.0	74.9	77.1	78.8	79.1	79.4	79.6	79.8	80.0	80.1	80.3
GE 700	44.7	62.2	65.1	69.0	74.0	75.6	77.4	79.7	81.3	81.7	82.0	82.1	82.3	82.6	82.7	82.9
GF 600	45.9	64.0	67.0	71.6	76.7	78.7	80.7	82.9	84.6	84.9	85.2	85.3	85.6	85.8	85.9	86.1
GE 500	46.7	66.2	69.2	74.2	79.9	81.9	84.0	86.3	88.1	88.4	88.8	88.9	89.1	89.3	89.4	89.7
GE 400	46.9	66.7	70.0	75.2	81.2	83.6	85.9	88.7	90.4	91.0	91.3	91.4	91.7	91.9	92.0	92.2
GE 300	47.0	67.3	71.0	76.4	82.7	85.3	87.9	91.0	92.8	93.3	93.7	93.8	94.0	94.2	94.3	94.6
GE 200	47.0	67.6	71.3	76.9	83.7	86.4	89.1	92.3	94.4	95.1	95.6	95.7	95.9	96.1	96.2	96.4
GE 100	47.0	67.6	71.3	76.9	83.8	86.7	89.4	92.7	95.1	96.0	96.4	96.6	96.8	97.4	97.6	98.1
GF 0	47.0	67.6	71.3	76.9	83.8	86.7	89.4	92.8	95.2	96.2	96.7	96.9	97.1	98.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(EST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 30	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.4	21.6	23.0	23.6	24.6	25.1	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
GE 20000	23.1	30.7	32.3	33.3	34.3	34.8	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GE 18000	23.2	30.8	32.4	33.4	34.4	34.9	35.5	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 16000	23.4	31.0	32.6	33.6	34.6	35.2	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 14000	23.7	31.3	33.0	34.1	35.1	35.6	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 12000	25.2	33.1	35.1	36.3	37.3	37.9	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 10000	28.1	36.8	39.1	40.9	42.2	43.0	43.6	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 9000	29.9	38.2	40.7	42.5	44.0	44.8	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 8000	29.1	38.5	40.9	42.7	44.2	45.1	45.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 7000	29.5	38.9	41.3	43.2	44.6	45.5	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 6000	30.4	40.1	42.5	44.5	46.0	47.0	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 5000	34.4	44.6	47.0	49.1	50.7	51.6	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 4500	37.3	48.2	50.7	52.7	54.3	55.3	55.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 4000	39.0	50.3	52.7	54.9	56.5	57.5	58.1	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 3500	40.1	51.5	54.0	56.2	57.7	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 3000	44.0	55.6	58.0	60.2	61.8	62.7	63.4	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 2500	47.5	59.5	61.9	64.1	65.6	66.6	67.3	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 2000	53.6	66.0	68.5	70.8	72.7	73.3	74.0	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 1800	56.3	68.8	71.2	73.5	75.1	76.0	76.7	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 1500	59.1	72.7	75.3	77.7	79.3	80.4	81.1	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1200	61.6	76.4	79.1	81.8	83.5	84.6	85.3	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1000	63.3	78.4	81.1	84.0	85.7	86.9	87.6	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 900	63.8	79.3	82.1	85.4	87.1	88.4	89.0	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 800	64.7	80.4	83.3	86.7	88.6	89.9	90.7	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 700	65.5	81.9	84.7	88.4	90.4	91.8	92.5	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 600	66.2	83.0	85.9	89.9	92.4	94.1	94.8	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 500	66.3	83.3	86.3	90.3	93.1	94.8	95.7	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 400	66.4	83.6	86.9	91.5	94.7	96.5	97.5	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	66.4	83.6	86.9	91.6	95.2	96.9	97.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	66.4	83.6	86.9	91.6	95.2	96.9	97.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	66.4	83.6	86.9	91.6	95.2	96.9	97.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	66.4	83.6	86.9	91.6	95.2	96.9	97.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LEST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	16.2	21.9	27.6	23.3	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
GE 20000	25.2	33.0	33.8	34.8	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 18000	25.2	33.0	33.8	34.8	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 16000	25.3	33.1	33.9	34.9	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 14000	26.3	34.1	35.0	36.0	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 12000	27.7	35.8	36.7	37.8	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 10000	29.9	38.8	39.7	41.0	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 9000	31.1	40.8	41.7	43.3	44.7	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 8000	31.4	41.1	42.0	43.7	45.0	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 7000	31.7	41.4	42.3	44.0	45.3	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 6000	33.2	43.1	44.3	46.1	47.4	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 5000	41.2	52.9	54.2	56.2	57.6	58.0	59.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4500	47.6	58.8	60.1	62.1	63.4	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 4000	51.7	63.4	64.8	66.8	68.2	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 3500	55.0	67.0	68.3	70.3	71.8	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3000	59.7	72.0	73.3	75.4	76.9	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 2500	63.3	75.9	77.2	79.4	80.9	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2000	68.2	81.8	83.3	85.6	87.0	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1800	69.6	83.6	85.1	87.3	88.8	89.3	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1500	71.4	86.0	87.6	89.8	91.3	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200	73.9	89.0	91.0	93.4	95.0	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	74.3	89.7	91.7	94.1	95.7	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	74.3	89.9	91.9	94.3	96.0	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	74.6	90.1	92.1	94.7	96.4	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	74.9	90.9	93.1	95.7	97.7	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	74.9	90.9	93.1	95.9	97.9	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	75.0	91.1	93.4	96.2	98.4	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	75.0	91.2	93.6	96.3	98.6	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	75.0	91.2	93.6	96.3	98.6	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	75.0	91.2	93.6	96.3	98.6	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	75.0	91.2	93.6	96.3	98.6	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	75.0	91.2	93.6	96.3	98.6	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3	GE 2	GE 0
NO CEIL	20.2	25.5	26.2	26.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
GE 20000	33.7	41.6	42.5	43.0	44.1	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 18000	33.7	41.8	42.6	43.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	33.8	42.0	42.9	43.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 14000	34.4	42.7	43.6	44.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 12000	36.6	45.3	46.4	46.9	48.7	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 10000	38.8	48.2	49.2	50.1	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 9000	40.7	50.4	51.6	52.7	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 8000	41.1	51.0	52.2	53.3	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 7000	41.5	51.6	52.9	54.1	55.5	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 6000	43.7	54.7	55.9	57.1	59.6	59.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 5000	51.7	63.6	65.2	66.6	68.0	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 4500	55.7	68.5	70.0	71.5	73.0	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000	60.1	73.5	75.1	76.6	78.7	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3500	62.1	75.5	77.0	78.6	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3000	64.6	78.8	80.3	82.0	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2500	67.6	82.3	83.8	85.5	86.9	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2000	71.2	86.8	88.4	90.2	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1800	72.1	87.7	89.2	91.1	92.5	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1600	73.6	89.8	91.5	93.4	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	74.8	91.1	92.9	94.9	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1000	75.3	91.5	93.3	95.6	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 900	75.4	91.9	93.6	95.9	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	75.4	92.2	94.0	96.3	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 700	75.4	92.5	94.3	96.8	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	75.4	92.7	94.5	97.1	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	75.4	92.7	94.5	97.3	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	75.4	92.7	94.5	97.4	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	75.4	92.7	94.5	97.5	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	75.4	92.7	94.5	97.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.4	92.7	94.5	97.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	75.4	92.7	94.5	97.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH  
UKAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	24.7	29.8	30.3	31.4	32.5	32.5	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	
GE 20000	38.1	46.7	47.4	48.6	49.8	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	
GE 18000	38.1	46.7	47.4	48.6	49.8	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	
GE 16000	38.2	46.9	47.5	48.7	49.9	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	
GE 14000	39.1	48.0	48.6	49.9	51.2	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	
GE 12000	41.5	51.7	52.6	54.1	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 10000	45.2	56.1	57.0	58.7	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 9000	46.5	58.1	59.0	61.0	62.4	62.4	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
GE 8000	47.2	58.9	59.8	61.8	63.2	63.2	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	
GE 7000	47.8	59.6	60.6	62.5	64.0	64.0	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE 6000	49.6	62.0	63.1	65.1	66.5	66.5	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 5000	53.9	66.7	67.8	69.8	71.3	71.3	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
GE 4500	56.9	70.3	71.4	73.5	74.9	74.9	75.1	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
GE 4000	58.9	72.7	73.8	75.9	77.3	77.3	77.6	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	
GE 3500	60.9	74.8	75.9	78.0	79.4	79.4	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
GE 3000	64.0	78.7	79.9	82.0	83.4	83.4	83.6	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	
GE 2500	66.3	82.1	83.3	85.4	86.9	86.9	87.1	87.2	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	
GE 2000	69.0	85.6	86.9	89.1	90.5	90.5	90.8	90.9	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	
GE 1800	69.7	86.6	87.8	90.1	91.5	91.5	91.8	91.9	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	
GE 1500	70.6	87.7	89.0	91.2	92.6	92.6	92.9	93.0	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	
GE 1200	71.6	89.2	90.5	92.7	94.3	94.3	94.6	94.7	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1	
GE 1000	71.7	89.5	90.8	93.3	94.8	94.8	95.1	95.2	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	
GE 900	72.0	89.9	91.3	93.9	95.4	95.4	95.8	95.9	96.0	96.1	96.2	96.4	96.4	96.4	96.4	96.4	
GE 800	72.4	90.6	92.2	94.8	96.4	96.4	96.8	96.9	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	
GE 700	72.5	90.8	92.4	95.1	96.8	96.8	97.1	97.2	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	
GE 600	72.7	91.0	92.6	95.4	97.1	97.1	97.5	97.6	97.7	97.9	98.0	98.1	98.1	98.1	98.1	98.1	
GE 500	72.8	91.3	92.9	95.8	97.6	97.6	97.9	98.1	98.2	98.6	98.7	98.8	98.8	98.8	98.8	98.8	
GE 400	72.8	91.5	93.3	96.5	98.2	98.2	98.7	98.9	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	
GE 300	72.8	91.6	93.4	96.6	98.3	98.3	98.9	99.1	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	
GE 200	72.8	91.7	93.5	96.7	98.5	98.5	99.0	99.2	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	
GE 100	72.8	91.7	93.5	96.7	98.5	98.5	99.0	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	
GE 0	72.8	91.7	93.5	96.7	98.5	98.5	99.0	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 905



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037400 STATION NAME: BOACOMBE DOWN UK

PERIOD OF RECORD: 77-84  
MONTH: JUL HOURS(EST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	200	240	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000
NO CEIL	24.9	33.4	35.5	37.1	38.7	39.6	40.1	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 20000	33.6	46.2	48.8	51.4	53.1	54.3	54.8	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	33.6	46.2	48.8	51.4	53.1	54.3	54.8	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 16000	33.7	46.3	49.0	51.5	53.3	54.4	54.9	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 14000	34.4	47.2	49.8	52.4	54.1	55.2	55.8	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 12000	35.9	49.3	52.2	55.0	57.1	58.2	58.8	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 10000	38.9	53.5	56.4	59.6	62.1	63.2	63.8	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 9000	40.2	54.9	58.1	61.5	64.1	65.4	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 8000	40.4	55.1	58.3	62.0	64.4	65.9	66.5	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 7000	40.8	55.5	58.7	62.3	65.1	66.2	66.9	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 6000	41.3	56.0	59.3	63.1	65.9	67.0	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 5000	43.6	59.2	62.8	66.6	69.4	70.6	71.3	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4000	44.8	61.0	64.5	68.4	71.7	72.4	73.0	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	45.5	62.2	65.7	69.6	72.4	73.6	74.3	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 2000	46.9	64.0	67.6	71.5	74.5	75.7	76.4	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 1000	47.3	67.8	71.8	75.9	79.0	80.2	80.9	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2500	51.0	70.4	74.5	78.9	82.0	83.2	83.9	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 2000	52.7	73.0	77.7	82.2	85.3	86.5	87.2	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1800	53.0	73.4	78.1	82.8	85.9	87.1	87.7	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1600	53.5	73.8	78.6	83.2	86.3	87.5	88.2	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1400	54.0	75.1	80.0	84.8	87.8	89.2	89.8	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200	54.7	76.1	81.0	85.7	88.8	90.2	90.8	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1000	54.9	76.5	81.3	86.1	89.2	90.6	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 800	55.2	77.0	81.9	86.6	89.7	91.2	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 700	55.6	77.9	82.8	87.5	90.7	92.2	93.0	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 600	55.8	78.6	83.4	88.4	91.7	93.4	94.3	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 500	55.9	78.8	84.0	89.0	92.6	94.3	95.2	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 400	55.9	79.2	84.8	89.8	93.5	95.1	96.1	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 300	56.0	79.7	85.3	91.0	95.2	96.9	97.9	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	56.1	79.8	85.5	91.3	95.6	97.3	98.3	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	56.1	79.8	85.5	91.3	95.6	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	56.1	79.8	85.5	91.3	95.6	97.3	98.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 935

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037463 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 100	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.9	25.4	26.8	28.3	29.7	30.3	30.8	31.4	31.6	31.7	31.7	32.0	32.0	32.1	32.2	32.3
GE 20000	26.8	36.0	37.5	39.7	41.3	42.0	42.6	43.3	43.7	43.8	44.0	44.0	44.1	44.2	44.2	44.4
GE 18000	26.8	36.1	37.4	39.7	41.3	42.1	42.6	43.4	43.7	43.8	44.0	44.0	44.1	44.2	44.3	44.4
GE 16000	26.9	36.2	37.9	39.8	41.4	42.2	42.7	43.5	43.8	43.9	44.1	44.1	44.2	44.3	44.4	44.5
GE 14000	27.5	36.9	38.7	40.6	42.2	43.0	43.6	44.3	44.7	44.8	45.0	45.0	45.1	45.2	45.2	45.4
GE 12000	29.0	38.9	40.8	42.9	44.6	45.4	46.1	46.8	47.2	47.4	47.5	47.6	47.7	47.8	47.8	48.0
GE 10000	31.4	42.3	44.4	46.8	48.7	49.6	50.2	51.1	51.5	51.6	51.8	51.8	51.9	52.0	52.1	52.3
GE 9000	32.4	43.8	46.0	48.6	50.8	51.8	52.5	53.4	53.8	53.9	54.1	54.2	54.2	54.4	54.4	54.6
GE 8000	32.7	44.2	46.3	49.0	51.2	52.2	53.0	53.9	54.3	54.4	54.6	54.6	54.7	54.8	54.9	55.1
GE 7000	33.0	44.6	46.8	49.4	51.7	52.7	53.5	54.4	54.8	54.9	55.1	55.1	55.2	55.3	55.4	55.6
GE 6000	34.2	46.0	48.3	51.0	53.3	54.3	55.1	56.0	56.4	56.6	56.7	56.8	56.9	57.0	57.1	57.2
GE 5000	39.3	50.8	53.2	56.1	58.4	59.4	60.3	61.2	61.6	61.8	62.0	62.1	62.1	62.3	62.3	62.5
GE 4500	40.9	54.0	56.5	59.4	61.8	62.8	63.7	64.6	65.1	65.3	65.5	65.5	65.6	65.7	65.8	66.0
GE 4000	42.7	56.3	58.9	61.8	64.2	65.2	66.1	67.1	67.5	67.7	67.9	68.0	68.0	68.2	68.2	68.4
GE 3500	44.4	58.2	60.8	63.9	66.2	67.3	68.2	69.2	69.6	69.8	70.0	70.1	70.1	70.3	70.3	70.5
GE 3000	47.3	61.7	64.3	67.5	70.0	71.0	72.0	72.9	73.4	73.7	73.8	73.9	74.0	74.1	74.1	74.3
GE 2500	49.9	64.8	67.5	70.8	73.3	74.4	75.3	76.3	76.8	77.0	77.2	77.2	77.3	77.4	77.5	77.7
GE 2000	53.0	68.7	71.5	75.0	77.4	78.6	79.5	80.5	81.0	81.2	81.4	81.5	81.6	81.7	81.8	81.9
GE 1800	54.0	69.9	72.3	76.3	78.7	79.9	80.9	81.8	82.3	82.6	82.7	82.8	82.9	83.0	83.1	83.2
GE 1500	55.4	71.8	74.7	78.2	80.8	81.9	82.9	83.9	84.4	84.7	84.8	84.9	85.0	85.1	85.2	85.4
GE 1200	56.9	73.9	76.9	80.6	83.2	84.5	85.5	86.5	87.0	87.2	87.4	87.5	87.6	87.7	87.7	87.9
GE 1000	57.7	75.0	78.1	81.9	84.5	85.8	86.8	87.9	88.4	88.6	88.8	88.9	89.0	89.1	89.2	89.3
GE 900	58.1	75.7	78.8	82.7	85.4	86.7	87.7	88.8	89.3	89.6	89.7	89.8	89.9	90.0	90.1	90.3
GE 800	58.5	76.3	79.5	83.4	86.2	87.5	88.5	89.6	90.1	90.4	90.5	90.6	90.7	90.8	90.9	91.1
GE 700	58.8	77.3	80.5	84.6	87.5	88.8	89.9	90.9	91.5	91.8	92.0	92.0	92.1	92.2	92.3	92.5
GE 600	59.3	78.1	81.4	85.8	89.3	90.4	91.5	92.5	93.1	93.4	93.6	93.6	93.7	93.8	93.9	94.1
GE 500	59.5	78.8	82.2	86.7	90.0	91.6	92.8	93.9	94.5	94.7	94.9	95.0	95.0	95.2	95.2	95.4
GE 400	59.5	79.1	82.7	87.5	90.9	92.5	93.8	95.0	95.6	95.9	96.1	96.2	96.3	96.4	96.5	96.6
GE 300	59.6	79.4	83.1	88.3	91.8	93.6	94.9	96.3	96.9	97.2	97.4	97.5	97.6	97.7	97.8	97.9
GE 200	59.6	79.5	83.3	88.4	92.2	94.1	95.4	97.0	97.7	98.0	98.2	98.3	98.4	98.5	98.6	98.8
GE 100	59.6	79.5	83.3	88.5	92.3	94.2	95.6	97.3	98.0	98.4	98.6	98.7	98.8	99.1	99.1	99.4
GE 0	59.6	79.5	83.3	88.5	92.3	94.2	95.6	97.3	98.0	98.5	98.8	98.8	99.0	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7245

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-8A  
MONTH: AUG HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4
NO CEIL	12.0	29.0	30.7	34.6	38.1	39.6	40.9	42.8	43.6	43.9	44.2	44.4	44.4	44.7	44.7
GE 20000	22.9	33.9	35.7	40.3	44.2	46.0	47.5	49.8	50.7	51.0	51.2	51.5	51.5	51.8	51.8
GE 18000	22.9	33.9	35.7	40.3	44.2	46.0	47.5	49.8	50.7	51.0	51.2	51.5	51.5	51.8	51.8
GE 16000	22.9	33.9	35.7	40.3	44.2	46.0	47.5	49.8	50.7	51.0	51.2	51.5	51.5	51.8	51.8
GE 14000	23.0	34.3	35.7	40.6	44.4	46.2	47.8	50.0	50.9	51.2	51.5	51.7	51.7	52.0	52.0
GE 12000	24.4	36.0	37.8	42.5	46.4	48.2	49.8	52.2	53.1	53.5	53.7	53.9	53.9	54.3	54.3
GE 10000	26.5	38.5	40.4	45.2	49.2	51.0	52.6	55.2	56.1	56.4	56.6	56.9	56.9	57.2	57.2
GE 9000	26.7	39.0	40.9	45.6	49.7	51.6	53.4	56.2	57.2	57.5	57.8	58.0	58.0	58.3	58.3
GE 8000	27.0	39.2	41.1	45.8	49.9	52.0	53.9	56.7	57.8	58.1	58.3	58.5	58.5	58.9	58.9
GE 7000	27.1	39.3	41.2	46.0	50.0	52.2	54.3	57.1	58.1	58.4	58.7	58.9	58.9	59.2	59.2
GE 6000	27.6	40.4	42.4	47.2	51.3	53.7	55.7	58.5	59.6	59.9	60.1	60.3	60.3	60.7	60.7
GE 5000	29.0	43.3	45.4	50.4	54.7	57.1	59.3	62.2	63.3	63.6	63.8	64.0	64.0	64.4	64.4
GE 4500	30.7	45.5	47.9	52.9	57.3	59.7	62.0	64.9	66.1	66.5	66.7	67.0	67.0	67.3	67.3
GE 4000	31.8	47.5	49.9	55.2	59.6	61.9	64.3	67.3	68.4	68.9	69.1	69.3	69.3	69.7	69.7
GE 3500	32.4	48.3	50.9	56.2	60.6	62.9	65.3	68.3	69.4	69.9	70.1	70.3	70.3	70.7	70.7
GE 3000	33.9	50.4	53.3	58.8	63.3	65.8	68.3	71.5	72.6	73.0	73.3	73.5	73.5	73.8	73.8
GE 2500	35.8	53.6	56.4	61.9	66.5	69.1	71.6	74.9	76.1	76.5	76.7	77.0	77.0	77.3	77.3
GE 2000	36.7	55.4	58.3	63.9	68.7	71.3	73.8	77.8	79.1	79.6	79.8	80.0	80.0	80.3	80.3
GE 1800	37.0	56.0	59.0	64.6	69.3	72.1	74.6	78.7	80.1	80.6	80.8	81.0	81.0	81.3	81.3
GE 1600	37.9	57.5	60.6	66.4	71.1	73.9	76.5	80.7	82.1	82.6	82.8	83.1	83.1	83.5	83.5
GE 1400	38.8	59.7	62.7	68.7	73.5	76.3	78.9	83.0	84.5	84.9	85.2	85.5	85.5	85.8	85.8
GE 1200	39.0	60.4	63.5	69.7	74.7	77.6	80.2	84.5	86.0	86.4	86.6	87.0	87.0	87.3	87.3
GE 900	39.1	61.1	64.3	70.6	75.7	78.7	81.2	85.5	87.0	87.4	87.6	88.0	88.0	88.3	88.3
GE 800	39.2	61.5	64.6	70.9	76.1	79.0	81.6	86.0	87.4	87.9	88.1	88.4	88.4	88.8	88.8
GE 700	39.3	62.2	65.5	72.1	77.4	80.3	83.1	87.6	89.1	89.6	89.8	90.1	90.1	90.4	90.4
GE 600	39.4	62.8	66.3	73.0	78.4	81.5	84.3	88.8	90.2	90.7	90.9	91.2	91.2	91.6	91.6
GE 500	39.8	63.4	67.2	74.0	79.4	82.6	85.4	90.0	91.6	92.0	92.2	92.6	92.6	92.9	92.9
GE 400	39.8	63.7	67.6	74.6	80.3	83.6	86.4	91.0	92.6	93.0	93.3	93.6	93.6	93.9	93.9
GE 300	39.8	64.0	68.0	75.4	81.5	84.8	87.9	92.7	94.3	94.7	94.9	95.3	95.3	95.6	95.6
GE 200	39.8	64.0	68.0	75.5	81.7	85.2	88.2	93.1	94.7	95.3	95.5	95.8	95.8	96.2	96.2
GE 100	39.8	64.2	68.1	75.8	82.4	86.0	89.1	94.4	96.1	96.9	97.2	97.5	97.5	98.2	98.2
GE 0	39.8	64.2	68.1	75.8	82.4	86.0	89.1	94.5	96.2	97.0	97.3	97.6	97.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3	GE 2	GE 1
NO CEIL	16.2	21.3	22.5	26.0	28.1	40.4	31.4	34.0	35.0	36.1	36.3	36.7	37.4	38.5	38.6	39.9	
GE 20000	18.4	24.4	25.7	29.8	32.1	34.8	36.1	38.8	39.9	41.2	41.5	41.8	42.8	44.0	44.1	45.5	
GE 18000	18.5	24.5	25.8	29.9	32.2	34.9	36.2	38.9	40.0	41.4	41.6	41.9	42.9	44.1	44.2	45.6	
GE 16000	18.5	24.5	25.8	29.9	32.2	34.9	36.2	38.9	40.0	41.4	41.6	41.9	42.9	44.1	44.2	45.6	
GE 14000	18.8	24.9	26.3	30.3	32.6	35.3	36.7	39.4	40.5	41.8	42.0	42.3	43.3	44.5	44.6	46.1	
GE 12000	19.6	26.7	28.0	32.1	34.4	37.2	38.6	41.4	42.5	43.8	44.0	44.3	45.3	46.5	46.6	48.0	
GE 10000	21.1	29.2	30.9	35.3	37.7	40.6	42.0	44.9	46.0	47.4	47.6	47.9	48.9	50.1	50.2	51.6	
GE 9000	21.9	30.2	31.8	36.3	38.7	41.7	43.1	46.1	47.3	48.8	49.0	49.3	50.3	51.5	51.6	53.1	
GE 8000	22.4	30.7	32.4	36.9	39.4	42.5	44.0	46.9	48.1	49.7	49.9	50.2	51.2	52.4	52.5	54.0	
GE 7000	22.5	31.0	32.6	37.1	39.6	42.7	44.3	47.4	48.6	50.1	50.3	50.7	51.6	53.0	53.1	54.6	
GE 6000	23.5	31.9	33.9	38.4	40.9	44.1	45.7	49.0	50.2	51.8	52.0	52.3	53.3	54.6	54.7	56.1	
GE 5000	25.2	33.8	36.4	41.5	44.5	48.1	49.8	53.2	54.4	55.9	56.1	56.5	57.4	58.9	59.0	60.4	
GE 4500	26.0	35.2	37.9	42.9	46.7	49.6	51.2	54.6	55.8	57.3	57.5	57.9	58.9	60.3	60.4	61.8	
GE 4000	26.4	35.7	38.5	43.7	46.8	50.4	52.1	55.6	56.8	58.3	58.5	58.9	59.8	61.3	61.4	62.8	
GE 3500	27.0	37.0	39.8	45.2	48.4	52.0	53.6	57.1	58.3	59.8	60.1	60.4	61.4	62.8	62.9	64.3	
GE 3000	29.2	39.9	42.9	48.5	51.6	55.4	57.2	60.9	62.1	63.7	63.9	64.2	65.2	66.6	66.7	68.1	
GE 2500	30.9	42.3	45.3	50.9	54.4	58.1	60.0	63.8	65.1	66.6	66.8	67.2	68.2	69.6	69.7	71.1	
GE 2000	31.4	43.5	46.5	52.2	55.7	59.6	61.5	65.3	66.7	68.3	68.5	68.9	69.9	71.3	71.4	72.8	
GE 1800	31.6	44.3	47.4	53.3	56.8	60.7	62.7	66.6	68.1	69.7	69.9	70.4	71.3	72.7	72.8	74.2	
GE 1600	32.1	45.3	48.4	54.3	57.9	61.8	63.9	68.1	69.5	71.1	71.3	71.8	72.8	74.2	74.3	75.7	
GE 1400	32.7	46.5	49.7	55.8	59.4	63.3	65.4	69.8	71.2	73.0	73.2	73.6	74.6	76.0	76.1	77.5	
GE 1200	33.0	46.9	50.2	56.5	60.1	64.1	66.2	70.7	72.2	74.1	74.3	74.7	75.7	77.1	77.2	78.6	
GE 1000	33.0	47.2	50.7	56.9	60.6	64.7	66.7	71.3	72.9	74.7	74.9	75.4	76.4	77.8	77.9	79.3	
GE 900	33.4	47.8	51.6	58.8	62.5	66.5	68.6	73.2	74.7	76.7	76.9	77.4	78.4	79.8	79.9	81.3	
GE 800	33.6	48.5	52.4	59.7	63.6	67.7	69.8	74.7	76.3	78.2	78.4	78.9	79.9	81.3	81.4	82.8	
GE 700	33.8	49.3	53.5	61.2	65.0	69.3	71.3	76.6	78.1	80.1	80.3	80.8	81.8	83.2	83.3	84.7	
GE 600	33.8	49.3	53.5	61.2	65.0	69.3	71.3	76.6	78.1	80.1	80.3	80.8	81.8	83.2	83.3	84.7	
GE 500	33.8	49.3	53.5	61.2	65.0	69.3	71.3	76.6	78.1	80.1	80.3	80.8	81.8	83.2	83.3	84.7	
GE 400	34.1	50.0	54.6	62.7	66.8	71.3	73.7	79.5	81.3	83.3	83.5	84.0	85.0	86.4	86.5	87.9	
GE 300	34.1	50.3	55.3	64.0	68.9	73.5	76.0	81.8	83.8	85.8	86.0	86.5	87.5	88.9	89.0	90.4	
GE 200	34.1	50.5	55.7	64.8	69.9	74.7	77.2	83.3	85.3	87.3	87.5	88.0	89.0	90.4	90.5	91.9	
GE 100	34.1	50.5	55.8	65.2	70.9	76.0	78.6	84.8	86.8	88.8	89.0	89.5	90.5	91.9	92.0	93.4	
GE 0	34.1	50.5	55.8	65.2	70.9	76.0	78.6	84.8	86.8	88.8	89.0	89.5	90.5	91.9	92.0	93.4	

TOTAL NUMBER OF OBSERVATIONS: 914

AD-A183 387

BOSCOMBE DOWN UNITED KINGDOM LIMITED SURFACE  
OBSERVATIONS CLIMATIC SUMMAR (U) AIR FORCE  
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

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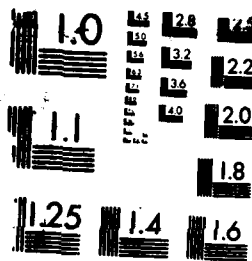
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MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	13.7	19.4	20.1	21.9	23.6	24.8	25.8	26.8	27.7	28.0	28.5	28.5	29.3	29.6	29.7	30.3
GE 20000	16.8	23.6	24.6	26.7	28.8	30.3	31.5	33.0	34.3	35.2	35.6	35.6	36.5	37.0	37.4	38.2
GE 18000	17.0	23.8	24.8	26.9	29.0	30.5	31.7	33.3	34.5	35.4	35.8	35.8	36.7	37.3	37.6	38.4
GE 16000	17.0	23.8	24.8	26.9	29.0	30.5	31.7	33.3	34.5	35.4	35.8	35.8	36.7	37.3	37.6	38.4
GE 14000	17.8	25.0	26.0	28.1	30.3	31.7	32.9	34.5	35.7	36.6	37.0	37.0	37.9	38.5	38.8	39.6
GE 12000	18.7	26.7	27.7	30.1	32.4	33.8	35.3	36.8	38.2	39.3	39.7	39.9	40.8	41.4	41.7	42.5
GE 10000	20.6	29.1	30.1	32.9	35.3	36.7	38.3	39.8	41.2	42.3	42.7	43.2	44.0	44.6	44.9	45.7
GE 9000	21.4	30.0	31.0	34.1	36.7	38.2	39.8	41.4	42.7	43.8	44.3	44.7	45.6	46.2	46.5	47.3
GE 8000	21.8	30.5	31.6	34.9	37.6	39.0	40.7	42.3	43.6	44.7	45.2	45.6	46.5	47.1	47.4	48.2
GE 7000	22.1	30.9	32.0	35.5	38.2	39.9	41.6	43.2	44.6	45.7	46.3	46.7	47.6	48.2	48.5	49.3
GE 6000	22.8	32.3	33.6	37.3	39.9	41.7	43.4	45.1	46.5	47.6	48.2	48.6	49.5	50.1	50.4	51.2
GE 5000	24.0	34.3	35.7	39.6	42.5	44.3	46.1	47.7	49.2	50.3	50.8	51.3	52.2	52.8	53.2	53.9
GE 4500	25.1	36.0	37.6	41.7	44.8	46.6	48.5	50.4	51.8	52.9	53.5	53.9	54.8	55.5	55.8	56.6
GE 4000	26.1	37.5	39.2	43.3	46.5	48.4	50.3	52.2	53.6	54.7	55.3	55.7	56.7	57.4	57.7	58.5
GE 3500	26.9	38.4	40.0	44.2	47.5	49.4	51.3	53.2	54.6	55.7	56.3	56.7	57.7	58.4	58.7	59.5
GE 3000	29.7	41.4	43.0	47.3	50.7	52.6	54.6	56.6	58.1	59.2	59.7	60.2	61.2	61.8	62.2	63.0
GE 2500	30.8	43.2	44.8	49.3	53.1	55.1	57.1	59.3	60.8	62.0	62.5	63.0	64.1	64.7	65.1	65.9
GE 2000	32.5	45.3	46.9	51.7	56.1	58.2	60.2	62.4	64.0	65.1	65.6	66.1	67.2	67.9	68.2	69.0
GE 1800	33.0	45.9	47.6	52.7	57.2	59.3	61.3	63.5	65.1	66.2	66.7	67.2	68.3	69.0	69.3	70.1
GE 1500	34.5	47.7	49.5	54.7	59.3	61.7	64.0	66.3	67.9	69.0	69.5	70.0	71.1	71.7	72.1	72.9
GE 1200	35.8	49.9	52.1	57.4	62.0	64.4	66.6	69.1	70.6	71.7	72.3	72.7	73.9	74.5	74.9	75.6
GE 1000	36.3	50.7	52.8	58.4	63.0	65.4	67.6	70.2	71.9	73.0	73.5	74.0	75.1	75.8	76.1	76.9
GE 900	36.8	51.4	53.7	59.5	64.2	66.6	68.9	71.4	73.1	74.2	74.7	75.2	76.3	77.0	77.3	78.1
GE 800	37.6	52.5	55.1	61.0	65.6	68.1	70.4	73.0	74.7	75.9	76.4	76.9	78.0	78.6	79.0	79.8
GE 700	38.0	53.3	56.2	62.4	67.1	69.5	71.9	74.6	76.4	77.5	78.1	78.6	79.8	80.4	80.8	81.5
GE 600	38.7	54.7	57.8	64.5	69.4	72.0	74.3	77.4	79.2	80.3	80.9	81.4	82.5	83.2	83.5	84.3
GE 500	38.8	54.9	58.1	64.7	69.9	72.6	75.1	78.3	80.4	81.5	82.1	82.6	83.8	84.4	84.8	85.5
GE 400	38.9	55.3	58.8	65.9	71.5	74.5	77.2	80.5	82.8	83.9	84.4	85.0	86.1	86.8	87.1	87.9
GE 300	39.0	56.0	59.5	66.6	72.6	76.2	78.9	82.3	84.5	85.8	86.3	86.9	88.0	88.7	89.0	89.9
GE 200	39.0	56.1	59.7	67.3	73.9	77.6	80.4	84.3	86.8	88.2	88.8	89.3	90.4	91.2	91.5	92.4
GE 100	39.0	56.1	59.7	67.5	74.5	78.6	81.4	85.8	88.7	90.3	91.1	91.8	93.1	94.8	95.1	96.3
GE 0	39.0	56.1	59.7	67.5	74.5	78.6	81.4	85.8	88.8	90.5	91.5	92.3	93.9	96.0	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.2	23.0	24.1	25.5	26.9	26.9	27.5	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.9
GE 20000	24.2	30.1	31.4	33.0	34.4	34.5	35.1	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.7
GE 18000	24.2	30.2	31.5	33.1	34.5	34.6	35.2	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.8
GE 16000	24.2	30.3	31.6	33.2	34.6	34.7	35.3	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.9
GE 14000	24.7	31.1	32.4	34.0	35.4	35.5	36.0	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.7
GE 12000	25.9	32.9	34.3	35.8	37.6	37.7	38.2	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.9
GE 10000	28.4	36.0	37.8	39.5	41.3	41.4	42.0	42.5	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.9
GE 9000	29.9	38.0	39.8	41.5	43.5	43.6	44.3	44.9	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.3
GE 8000	30.1	38.2	40.0	41.8	44.0	44.1	44.8	45.5	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.8
GE 7000	30.4	38.6	40.4	42.2	44.6	44.8	45.6	46.3	46.3	46.4	46.5	46.5	46.5	46.5	46.5	46.6
GE 6000	31.1	40.0	41.9	44.1	46.5	46.7	47.5	48.1	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.5
GE 5000	33.0	42.4	44.4	46.8	49.2	49.5	50.2	50.9	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.2
GE 4500	35.1	44.7	46.8	49.2	51.6	51.9	52.6	53.3	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.6
GE 4000	38.9	48.9	51.0	53.4	55.8	56.0	56.8	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8
GE 3500	41.5	51.8	53.8	56.3	58.7	58.9	59.9	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.9
GE 3000	44.2	54.6	56.7	59.2	61.6	61.9	63.0	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	64.0
GE 2500	48.2	59.2	61.5	64.1	66.5	66.9	68.1	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.1
GE 2000	53.3	65.3	67.7	70.3	72.9	73.3	74.5	75.3	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.7
GE 1800	55.3	67.7	70.1	72.9	75.5	75.9	77.1	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.4
GE 1500	57.7	71.5	74.2	77.1	79.8	80.2	81.4	82.2	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6
GE 1200	59.9	74.8	77.6	80.7	83.6	84.2	85.5	86.4	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.8
GE 1000	60.7	76.4	79.2	82.5	85.6	86.3	87.9	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.3
GE 900	60.9	76.7	79.6	83.1	86.3	86.9	88.6	89.7	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.1
GE 800	61.1	77.5	80.3	84.0	87.3	87.9	89.6	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.1
GE 700	61.4	78.7	81.8	85.4	88.9	89.7	91.3	92.4	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.9
GE 600	61.6	79.1	82.2	86.0	89.9	90.9	92.6	93.7	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.2
GE 500	61.8	79.7	82.9	86.9	90.8	92.0	93.8	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.5
GE 400	61.8	79.9	83.4	87.7	91.6	92.9	95.1	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.7
GE 300	61.8	80.1	83.6	88.1	92.7	93.5	95.8	97.1	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.8
GE 200	61.8	80.2	83.8	88.7	93.1	94.6	96.9	98.4	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.3
GE 100	61.8	80.2	83.8	88.7	93.2	94.8	97.1	98.6	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.7
GE 0	61.8	80.2	83.8	88.7	93.2	94.8	97.1	98.6	99.0	99.3	99.6	99.6	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 910



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 1200-1400

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	19.0	24.0	24.9	25.6	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 20000	27.3	33.0	34.1	35.1	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 18000	27.6	33.3	34.4	35.3	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 16000	27.7	33.4	34.5	35.5	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 14000	28.5	34.5	35.6	36.6	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 12000	29.5	35.7	36.9	37.9	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 10000	31.0	38.3	39.7	40.9	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 9000	31.7	39.6	41.4	42.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 8000	32.2	40.2	41.9	43.4	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 7000	32.5	40.9	42.7	44.1	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 6000	33.8	42.6	44.5	46.0	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 5000	39.4	49.4	51.3	53.0	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 4500	43.9	54.1	56.0	57.7	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 4000	50.1	60.6	62.5	64.2	65.5	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 3500	52.5	63.4	65.3	67.1	68.4	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 3000	56.1	67.5	69.4	71.2	72.6	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 2500	60.6	73.2	75.2	77.1	78.8	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 2000	64.9	78.3	80.2	82.5	84.5	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1800	66.8	80.9	82.9	85.3	87.3	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	68.9	83.3	85.3	87.8	90.0	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200	70.9	86.1	88.1	90.8	93.1	93.5	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1000	71.6	86.8	88.9	91.7	94.0	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 900	71.8	87.2	89.2	92.0	94.3	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 800	71.8	87.5	89.6	92.3	94.6	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 700	71.9	87.7	89.9	92.6	95.0	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 600	71.9	88.0	90.2	93.3	95.7	96.2	96.5	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7
GE 500	72.1	88.7	90.9	94.2	96.9	97.5	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
GE 400	72.1	88.8	91.0	94.5	97.6	98.1	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
GE 300	72.1	88.8	91.0	94.6	97.7	98.4	98.8	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 200	72.1	88.8	91.0	94.7	97.8	98.5	99.1	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	72.1	88.8	91.0	94.7	97.8	98.5	99.1	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	72.1	88.8	91.0	94.7	97.8	98.5	99.1	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 911

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	21.4	24.8	25.6	27.4	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
GE 20000	30.3	36.6	38.0	40.0	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 18000	30.6	36.9	38.4	40.4	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 16000	30.6	36.9	38.4	40.4	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 14000	31.0	37.6	39.0	41.0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 12000	32.8	39.4	40.8	42.8	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 10000	35.7	43.5	44.9	47.1	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 9000	36.9	45.4	46.8	49.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 8000	37.4	46.1	47.5	49.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 7000	38.4	47.2	48.6	50.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 6000	39.4	48.8	50.4	52.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 5000	45.6	56.5	58.4	60.7	61.8	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3
GE 4500	50.1	61.8	63.8	66.2	67.3	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7
GE 4000	54.2	66.2	68.3	70.7	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3
GE 3500	56.4	68.9	71.0	73.5	74.7	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2
GE 3000	59.8	72.6	74.9	77.5	78.8	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2
GE 2500	62.5	76.3	78.6	81.3	82.5	82.8	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 2000	65.3	79.6	82.3	85.4	86.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1
GE 1800	66.3	81.0	83.8	87.0	88.3	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
GE 1500	68.1	83.3	86.2	89.5	90.9	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4
GE 1200	69.2	84.6	87.7	91.1	92.7	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 1000	69.5	85.1	88.4	91.9	93.4	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 900	69.9	85.5	88.9	92.3	93.9	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 800	70.0	85.8	89.1	92.5	94.1	94.4	94.7	94.7	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0
GE 700	70.1	86.2	89.5	93.0	94.5	94.9	95.1	95.1	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 600	70.4	87.4	90.8	94.7	96.3	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
GE 500	70.5	87.8	91.2	95.4	97.1	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 400	70.6	88.0	91.5	95.9	97.6	98.2	98.6	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 300	70.6	88.1	91.9	96.2	98.1	98.7	99.0	99.0	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 200	70.6	88.1	92.0	96.3	98.2	98.8	99.1	99.1	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 100	70.6	88.1	92.0	96.3	98.2	98.8	99.1	99.1	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0
GE 0	70.6	88.1	92.0	96.3	98.2	98.8	99.1	99.1	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		21.7	27.8	28.2	29.8	31.0	31.7	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 20000	32.7	41.1	42.3	44.3	46.2	47.0	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 18000	32.8	41.3	42.5	44.5	46.4	47.2	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 16000	32.8	41.3	42.5	44.5	46.4	47.2	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 14000	34.4	43.2	44.4	46.4	48.3	49.1	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 12000	35.6	44.8	46.0	48.0	50.2	51.1	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 10000	38.2	48.3	49.6	51.9	54.4	55.4	56.0	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 9000	39.0	49.9	51.2	53.9	56.4	57.4	58.0	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 8000	39.0	50.0	51.3	54.1	56.6	57.6	58.3	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	39.2	50.6	51.9	54.7	57.1	58.1	58.8	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 6000	40.8	52.7	54.1	57.1	59.8	60.8	61.5	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 5000	45.2	57.7	59.7	63.2	66.2	67.3	68.1	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4500	48.4	61.4	63.5	67.3	70.6	71.9	72.8	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4000	49.9	63.5	65.7	69.9	73.4	74.8	75.7	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3500	51.0	64.8	67.2	71.3	74.9	76.2	77.1	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 3000	54.0	68.2	70.6	74.8	78.5	79.8	80.7	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 2500	56.5	71.2	73.7	77.8	81.7	83.0	83.9	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2000	58.8	73.9	76.5	80.7	84.8	86.2	87.1	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1800	59.7	74.9	77.5	81.8	85.9	87.5	88.4	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1500	60.9	76.3	79.0	83.5	87.6	89.2	90.1	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	62.2	77.9	80.6	85.3	89.6	91.2	92.1	92.6	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	62.6	78.5	81.3	85.9	90.4	92.0	92.9	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 900	62.8	78.8	81.6	86.3	90.7	92.3	93.4	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 800	63.1	79.0	81.8	86.5	91.0	92.5	93.6	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 700	63.4	79.6	82.4	87.2	91.7	93.4	94.5	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 600	63.4	80.0	82.8	87.8	92.4	94.2	95.4	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 500	63.4	80.2	83.0	88.3	93.0	94.8	96.0	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 400	63.4	80.6	83.5	88.7	93.5	95.4	96.9	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	63.4	80.6	83.5	89.0	94.0	96.2	97.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	63.4	80.7	83.7	89.2	94.3	96.7	98.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	63.4	80.7	83.7	89.2	94.3	96.7	98.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	63.4	80.7	83.7	89.2	94.3	96.7	98.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 100	GE 90	GE 80	GE 70	GE 60	GE 50	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	21.0	30.3	32.1	36.3	37.8	36.7	39.3	40.1	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5
GE 20000	27.1	38.5	41.0	46.2	48.4	49.6	50.3	51.2	51.5	51.5	51.6	51.6	51.6	51.6	51.7	51.7
GE 18000	27.1	38.5	41.0	46.2	48.4	49.6	50.3	51.2	51.5	51.5	51.6	51.6	51.6	51.6	51.7	51.7
GE 16000	27.1	38.5	41.0	46.2	48.4	49.6	50.3	51.2	51.5	51.5	51.6	51.6	51.6	51.6	51.7	51.7
GE 14000	27.9	39.3	41.8	47.2	49.4	50.7	51.4	52.3	52.6	52.7	52.8	52.8	52.8	52.8	52.9	52.9
GE 12000	28.4	40.1	42.6	48.1	50.4	51.7	52.4	53.3	53.6	53.7	53.8	53.8	53.8	53.8	53.9	53.9
GE 10000	30.1	42.5	45.2	51.4	54.3	55.8	56.9	58.0	58.4	58.5	58.6	58.6	58.6	58.6	58.7	58.7
GE 9000	30.5	43.4	46.1	52.4	55.5	57.0	58.2	59.4	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.0
GE 8000	30.9	43.7	46.4	52.7	55.8	57.4	58.5	59.7	60.0	60.2	60.3	60.3	60.3	60.3	60.4	60.4
GE 7000	31.0	44.0	46.7	53.1	56.4	57.9	59.0	60.3	60.6	60.7	60.8	60.8	60.8	60.9	61.0	61.0
GE 6000	31.9	45.2	48.1	54.7	58.0	59.6	60.7	61.9	62.3	62.4	62.5	62.5	62.5	62.6	62.7	62.7
GE 5000	33.9	48.1	50.9	57.8	61.5	63.0	64.2	65.6	65.9	66.0	66.1	66.1	66.1	66.3	66.4	66.4
GE 4500	36.1	51.1	53.9	61.2	64.8	66.6	67.8	69.4	69.9	70.0	70.1	70.1	70.1	70.3	70.4	70.4
GE 4000	37.1	52.7	55.8	63.3	67.3	69.0	70.3	71.8	72.4	72.5	72.6	72.6	72.6	72.7	72.8	72.8
GE 3500	38.6	54.9	58.0	65.5	69.6	71.4	72.6	74.3	74.8	74.9	75.0	75.0	75.0	75.1	75.2	75.2
GE 3000	41.6	58.8	62.3	69.8	73.9	75.7	76.9	78.6	79.1	79.2	79.4	79.4	79.4	79.5	79.6	79.6
GE 2500	43.6	61.6	65.4	73.3	77.4	79.4	80.6	82.2	82.8	82.9	83.0	83.0	83.1	83.1	83.2	83.2
GE 2000	45.6	64.7	68.7	76.6	80.7	82.7	84.0	85.9	86.5	86.6	86.7	86.7	86.7	86.8	86.9	86.9
GE 1800	46.1	65.4	69.4	77.2	81.4	83.4	84.7	86.7	87.2	87.3	87.5	87.5	87.5	87.6	87.7	87.7
GE 1500	46.7	66.3	70.4	78.2	82.4	84.4	85.9	88.0	88.6	88.7	88.8	88.8	88.9	89.0	89.0	89.0
GE 1200	47.6	67.3	71.4	79.2	83.6	85.8	87.3	89.5	90.0	90.1	90.2	90.2	90.3	90.5	90.5	90.5
GE 1000	48.2	68.1	72.4	80.2	84.6	86.8	88.3	90.5	91.0	91.1	91.2	91.2	91.3	91.5	91.5	91.5
GE 900	48.8	68.9	73.1	81.0	85.3	87.7	89.2	91.3	91.9	92.0	92.1	92.1	92.2	92.3	92.3	92.3
GE 800	49.2	69.3	73.6	81.5	85.8	88.1	89.8	91.9	92.5	92.6	92.7	92.7	92.8	92.9	92.9	92.9
GE 700	49.2	69.7	74.0	81.9	86.2	88.6	90.2	92.3	92.9	93.0	93.1	93.1	93.2	93.3	93.3	93.3
GE 600	49.4	70.4	74.9	82.8	87.3	90.0	91.7	93.8	94.3	94.5	94.6	94.6	94.7	94.8	94.8	94.8
GE 500	49.5	70.5	75.0	83.0	87.9	90.6	92.3	94.5	95.0	95.2	95.3	95.3	95.4	95.6	95.6	95.6
GE 400	49.6	70.6	75.4	83.5	88.3	91.0	92.9	95.0	95.6	95.8	95.9	95.9	96.0	96.1	96.1	96.1
GE 300	49.7	70.8	75.6	84.0	89.1	92.0	94.0	96.2	96.8	97.0	97.1	97.1	97.2	97.3	97.3	97.3
GE 200	49.7	70.9	75.8	84.4	89.6	92.7	94.9	97.4	98.0	98.2	98.3	98.3	98.4	98.6	98.6	98.6
GE 100	49.7	70.9	75.8	84.4	89.6	93.2	95.4	98.2	98.9	99.1	99.4	99.6	99.8	99.9	99.9	99.9
GE 0	49.7	70.9	75.8	84.4	89.6	93.2	95.6	98.3	99.0	99.2	99.6	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AJR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.8	24.9	26.0	28.4	30.0	30.8	31.4	32.3	32.6	32.9	33.0	33.0	33.2	33.5	33.5	33.8
GE 20000	24.9	32.6	34.2	36.9	38.8	39.8	40.6	41.6	42.0	42.4	42.5	42.6	42.8	43.1	43.1	43.6
GE 18000	25.1	32.8	34.3	37.0	39.0	40.0	40.7	41.8	42.2	42.5	42.7	42.7	43.0	43.2	43.3	43.6
GE 16000	25.1	32.8	34.3	37.1	39.0	40.0	40.7	41.8	42.2	42.6	42.7	42.8	43.0	43.3	43.3	43.7
GE 14000	25.8	33.7	35.2	38.0	39.9	41.0	41.7	42.7	43.2	43.5	43.6	43.7	43.9	44.2	44.3	44.6
GE 12000	26.9	35.2	36.7	39.6	41.7	42.7	43.5	44.6	45.0	45.4	45.5	45.6	45.9	46.1	46.2	46.6
GE 10000	28.9	38.2	39.6	43.0	45.2	46.3	47.2	48.3	48.8	49.2	49.3	49.5	49.7	50.0	50.0	50.4
GE 9000	29.7	39.4	41.1	44.4	46.8	47.9	48.8	50.1	50.5	51.0	51.1	51.2	51.5	51.7	51.8	52.1
GE 8000	30.1	39.8	41.5	44.9	47.3	48.5	49.4	50.7	51.1	51.6	51.7	51.8	52.1	52.3	52.4	52.7
GE 7000	30.4	40.3	42.0	45.4	47.9	49.2	50.1	51.4	51.9	52.3	52.4	52.6	52.8	53.1	53.2	53.5
GE 6000	31.4	41.7	43.6	47.2	49.7	51.0	52.0	53.2	53.7	54.1	54.3	54.4	54.7	55.0	55.0	55.4
GE 5000	34.4	45.7	47.6	51.6	54.3	55.7	56.7	58.1	58.6	59.0	59.2	59.3	59.6	59.9	59.9	60.3
GE 4500	36.9	48.7	50.9	54.9	57.7	59.1	60.2	61.6	62.1	62.6	62.7	62.8	63.1	63.4	63.5	63.8
GE 4000	39.3	51.6	53.8	57.9	60.4	62.3	63.4	64.8	65.4	65.8	66.0	66.1	66.4	66.7	66.7	67.1
GE 3500	40.4	53.4	55.7	59.9	62.8	64.3	65.4	66.8	67.4	67.8	68.0	68.1	68.4	68.7	68.8	69.1
GE 3000	43.6	56.7	59.1	63.4	66.3	67.9	69.1	70.5	71.1	71.5	71.7	71.8	72.1	72.4	72.5	72.8
GE 2500	46.1	60.1	62.6	66.9	70.1	71.7	72.9	74.4	75.0	75.5	75.6	75.7	76.0	76.3	76.4	76.7
GE 2000	48.6	63.2	65.9	70.4	73.7	75.4	76.6	78.3	78.9	79.3	79.5	79.6	79.9	80.2	80.3	80.6
GE 1800	49.5	64.5	67.2	71.8	75.2	76.9	78.1	79.8	80.5	80.9	81.1	81.2	81.5	81.8	81.9	82.2
GE 1500	50.9	66.4	69.2	73.9	77.4	79.1	80.4	82.2	82.9	83.3	83.4	83.6	83.9	84.2	84.3	84.6
GE 1200	52.1	68.4	71.2	76.1	79.7	81.5	82.8	84.7	85.3	85.8	85.9	86.1	86.4	86.7	86.8	87.1
GE 1000	52.6	69.1	72.1	77.1	80.7	82.5	84.0	85.8	86.5	87.0	87.2	87.3	87.6	87.9	88.0	88.3
GE 900	52.9	69.6	72.6	77.7	81.4	83.2	84.7	86.6	87.3	87.8	87.9	88.1	88.4	88.7	88.7	89.1
GE 800	53.2	70.1	73.2	78.4	82.1	83.9	85.4	87.4	88.1	88.6	88.7	88.9	89.2	89.5	89.6	89.9
GE 700	53.4	70.7	74.0	79.3	83.0	84.9	86.5	88.5	89.2	89.7	89.8	90.0	90.3	90.6	90.7	91.0
GE 600	53.6	71.5	74.8	80.4	84.3	86.3	87.9	90.0	90.7	91.2	91.4	91.6	91.9	92.2	92.3	92.6
GE 500	53.7	71.8	75.2	81.0	85.0	87.1	88.8	91.0	91.8	92.3	92.4	92.6	92.9	93.3	93.3	93.7
GE 400	53.8	72.1	75.7	81.7	85.9	88.1	89.9	92.2	93.0	93.5	93.7	93.9	94.2	94.5	94.6	94.9
GE 300	53.8	72.3	76.0	82.2	86.8	89.2	91.0	93.4	94.3	94.9	95.0	95.2	95.6	95.9	96.0	96.3
GE 200	53.8	72.4	76.2	82.6	87.3	89.8	91.8	94.3	95.3	95.9	96.1	96.3	96.7	97.0	97.1	97.5
GE 100	53.8	72.4	76.2	82.7	87.6	90.3	92.3	95.0	96.1	96.8	97.0	97.3	97.7	98.3	98.3	98.8
GE 0	53.8	72.4	76.2	82.7	87.6	90.3	92.3	95.0	96.1	96.9	97.2	97.5	98.0	98.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7220

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.3	25.5	27.1	29.7	32.4	34.2	34.9	36.4	37.3	38.6	38.8	38.9	39.3	39.6	39.7	40.5
GE 20000	23.2	31.5	33.3	36.1	39.0	40.9	41.6	43.8	44.7	46.1	46.3	46.5	46.8	47.1	47.2	48.3
GE 18000	23.3	31.6	33.4	36.2	39.1	41.1	41.7	43.9	44.8	46.2	46.5	46.6	46.9	47.2	47.4	48.4
GE 16000	23.3	31.7	33.5	36.3	39.3	41.2	41.8	44.0	44.9	46.3	46.6	46.7	47.0	47.4	47.5	48.5
GE 14000	23.4	32.1	34.0	36.8	39.7	41.6	42.3	44.4	45.3	46.8	47.0	47.1	47.5	47.8	47.9	48.9
GE 12000	24.1	32.8	34.9	37.8	40.8	42.7	43.5	45.8	46.7	48.1	48.4	48.5	48.8	49.2	49.3	50.3
GE 10000	25.3	35.3	37.3	40.5	43.5	45.4	46.2	48.5	49.4	50.8	51.2	51.3	51.6	52.0	52.1	53.1
GE 9000	26.2	36.9	38.9	42.1	45.3	47.2	48.0	50.3	51.2	52.6	53.0	53.1	53.4	53.8	53.9	54.9
GE 8000	26.3	37.2	39.3	42.4	45.7	47.6	48.4	50.6	51.5	53.0	53.3	53.4	53.8	54.1	54.2	55.2
GE 7000	26.4	37.3	39.4	42.5	45.8	47.7	48.5	50.7	51.6	53.1	53.4	53.5	53.9	54.2	54.3	55.3
GE 6000	27.1	38.2	40.3	43.4	46.7	48.6	49.4	51.6	52.5	54.0	54.3	54.4	54.8	55.1	55.2	56.2
GE 5000	28.2	40.6	42.6	45.9	49.5	51.5	52.3	54.8	55.7	57.3	57.6	57.7	58.2	58.5	58.6	59.6
GE 4500	29.0	41.7	43.9	47.2	51.0	53.1	54.0	56.6	57.6	59.2	59.5	59.6	60.1	60.4	60.5	61.5
GE 4000	29.7	43.0	45.2	48.6	52.6	54.8	55.8	58.4	59.5	61.1	61.4	61.5	62.0	62.3	62.4	63.4
GE 3500	30.8	44.3	46.6	50.1	54.1	56.2	57.3	59.8	61.1	62.7	63.0	63.1	63.6	63.9	64.0	65.0
GE 3000	33.7	47.9	50.3	53.8	58.3	60.4	61.4	64.0	65.4	66.9	67.3	67.4	67.8	68.2	68.3	69.4
GE 2500	34.4	49.7	52.2	55.8	60.3	62.4	63.4	66.0	67.4	69.0	69.3	69.4	69.9	70.2	70.3	71.4
GE 2000	36.4	52.3	55.1	58.7	63.4	65.6	66.6	69.2	70.5	72.1	72.4	72.6	73.1	73.5	73.6	74.7
GE 1800	36.7	53.0	55.9	59.5	64.3	66.5	67.6	70.2	71.5	73.1	73.5	73.6	74.1	74.5	74.6	75.7
GE 1500	37.7	54.6	57.6	61.3	66.1	68.3	69.4	72.0	73.5	75.0	75.4	75.5	76.0	76.4	76.5	77.6
GE 1200	39.0	56.7	59.8	63.6	68.4	70.6	71.8	74.5	75.9	77.5	77.8	78.0	78.5	78.9	79.0	80.1
GE 1000	39.7	57.9	61.2	65.0	69.9	72.1	73.2	75.9	77.4	79.0	79.3	79.4	80.0	80.3	80.4	81.6
GE 900	40.4	59.3	62.9	66.8	71.9	74.1	75.3	78.0	79.4	81.1	81.4	81.6	82.1	82.5	82.6	83.7
GE 800	40.8	60.1	63.7	67.6	72.6	74.9	76.0	79.1	80.7	82.3	82.7	82.8	83.4	83.7	83.8	84.9
GE 700	41.3	61.1	64.7	68.6	73.8	76.3	77.4	80.4	82.0	83.8	84.1	84.3	84.8	85.2	85.3	86.4
GE 600	41.4	61.3	65.2	69.6	75.0	77.6	78.7	81.9	83.5	85.3	85.6	85.7	86.3	86.6	86.7	87.9
GE 500	41.7	61.8	66.1	70.9	76.3	79.0	80.1	83.2	84.9	86.7	87.1	87.2	87.7	88.1	88.2	89.3
GE 400	42.1	62.5	67.3	72.4	78.1	80.8	81.9	85.3	87.0	88.8	89.1	89.2	89.8	90.1	90.2	91.3
GE 300	42.1	62.8	67.6	73.1	78.7	81.6	82.9	86.7	88.6	90.6	90.9	91.0	91.6	91.9	92.0	93.1
GE 200	42.1	62.9	67.8	73.5	79.3	82.1	83.5	87.3	89.3	91.3	91.6	92.0	92.7	93.3	93.4	94.5
GE 100	42.1	63.0	67.9	73.8	79.9	82.7	84.1	88.3	90.7	92.8	93.7	93.9	94.6	95.3	95.4	96.7
GE 01	42.1	63.0	67.9	73.8	79.9	82.7	84.1	88.4	90.8	92.9	94.0	94.4	95.2	96.4	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(1ST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.2	22.8	24.6	26.5	27.4	29.2	30.1	31.8	33.3	34.3	34.5	34.7	35.2	36.6	36.9	39.2
GE 20000	20.1	27.1	28.9	31.0	31.9	33.9	34.8	36.9	38.5	39.6	39.8	40.0	40.4	42.0	42.2	44.9
GE 18000	20.1	27.1	28.9	31.0	31.9	33.9	34.8	36.9	38.5	39.6	39.8	40.0	40.4	42.0	42.2	44.9
GE 16000	20.1	27.1	28.9	31.0	31.9	33.9	34.8	36.9	38.5	39.6	39.8	40.0	40.4	42.0	42.2	44.9
GE 14000	20.2	27.5	29.3	31.5	32.4	34.4	35.3	37.3	39.0	40.0	40.2	40.4	40.9	42.5	42.7	45.4
GE 12000	21.0	28.5	30.4	32.6	33.5	35.5	36.4	38.4	40.2	41.2	41.5	41.7	42.1	43.8	44.0	46.7
GE 10000	22.6	30.6	32.8	34.9	35.8	37.9	38.8	40.8	42.8	43.9	44.2	44.4	44.8	46.5	46.7	49.4
GE 9000	23.5	31.9	34.2	36.3	37.2	39.3	40.3	42.5	44.5	45.7	46.0	46.2	46.6	48.3	48.5	51.2
GE 8000	23.5	32.0	34.3	36.4	37.3	39.4	40.4	42.6	44.6	45.8	46.1	46.3	46.7	48.4	48.7	51.3
GE 7000	23.8	32.5	34.7	36.9	37.8	39.9	40.9	43.0	45.1	46.3	46.5	46.7	47.2	48.9	49.1	51.8
GE 6000	23.9	33.1	35.5	37.6	38.7	40.8	41.8	43.9	46.0	47.2	47.4	47.6	48.1	49.8	50.0	52.7
GE 5000	26.2	36.1	38.5	41.0	42.0	44.4	45.5	47.8	50.0	51.2	51.5	51.7	52.1	53.9	54.2	56.9
GE 4500	26.9	36.7	39.3	41.8	42.9	45.5	46.6	49.0	51.2	52.5	52.7	52.9	53.4	55.2	55.4	58.1
GE 4000	27.5	38.0	40.6	43.0	44.5	47.1	48.3	50.7	52.9	54.2	54.4	54.6	55.1	56.9	57.1	59.8
GE 3500	29.0	39.4	42.0	44.6	46.4	49.1	50.4	52.8	55.1	56.3	56.5	56.7	57.2	59.0	59.2	61.9
GE 3000	30.4	41.2	43.8	46.4	48.7	51.3	52.7	55.2	57.4	58.7	58.9	59.1	59.6	61.3	61.6	64.3
GE 2500	32.4	43.8	46.5	49.1	51.6	54.4	55.8	58.4	60.7	61.9	62.1	62.4	62.9	64.7	64.9	67.6
GE 2000	33.9	45.8	48.5	51.3	54.0	56.9	58.3	60.9	63.1	64.4	64.6	64.8	65.4	67.2	67.4	70.1
GE 1800	34.4	46.5	49.2	52.2	55.2	58.0	59.4	62.0	64.3	65.5	65.7	66.0	66.5	68.3	68.5	71.2
GE 1500	35.2	47.9	50.6	53.8	56.9	59.8	61.6	64.2	66.4	67.6	67.9	68.1	68.7	70.4	70.7	73.4
GE 1200	36.6	50.7	53.5	57.0	60.0	62.9	64.7	67.3	69.6	70.8	71.0	71.2	71.8	73.6	73.8	76.5
GE 1000	37.5	52.0	55.1	58.8	61.9	64.9	66.7	69.6	71.8	73.1	73.4	73.6	74.2	76.0	76.2	78.9
GE 900	38.1	53.3	56.5	60.2	63.5	66.5	68.3	71.1	73.4	74.7	74.9	75.2	75.7	77.5	77.8	80.4
GE 800	38.3	53.8	57.2	60.9	64.2	67.3	69.2	72.0	74.3	75.7	76.0	76.2	76.7	78.5	78.8	81.5
GE 700	38.5	54.5	58.0	61.8	65.1	68.3	70.2	73.3	75.5	77.1	77.3	77.5	78.1	79.9	80.1	82.8
GE 600	38.5	55.3	58.9	63.0	66.4	69.7	71.6	74.7	77.0	78.5	78.8	79.0	79.7	81.5	81.7	84.5
GE 500	38.7	55.8	59.7	64.4	68.0	71.3	73.3	76.6	79.0	80.6	80.8	81.0	81.7	83.5	83.7	86.5
GE 400	39.1	57.2	61.1	66.0	69.7	73.6	75.5	79.1	81.5	83.1	83.4	83.6	84.3	86.1	86.3	89.1
GE 300	39.2	57.5	61.8	67.3	71.0	75.2	77.4	81.2	83.6	85.3	85.5	85.7	86.4	88.2	88.4	91.3
GE 200	39.2	57.5	61.9	67.6	71.6	75.8	78.8	82.7	85.4	87.2	87.4	87.6	88.3	90.2	90.6	93.5
GE 100	39.2	57.5	61.9	67.6	71.8	76.2	79.3	83.5	86.4	88.4	88.7	88.9	89.6	91.6	91.9	95.4
GE 0	39.2	57.5	61.9	67.6	71.8	76.2	79.3	83.5	86.6	88.9	89.2	89.6	90.3	93.1	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 890

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 43	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	11.7	15.8	16.5	18.2	19.1	19.8	20.4	22.7	23.5	24.7	24.7	24.9	25.3	26.4	26.5	28.6
GE 20000	18.4	23.4	24.3	26.6	28.1	29.2	30.0	32.5	33.4	34.6	34.6	35.0	35.9	37.0	37.1	39.5
GE 18000	18.6	23.5	24.4	26.7	28.2	29.3	30.1	32.6	33.5	34.7	34.7	35.1	36.0	37.1	37.2	39.6
GE 16000	18.6	23.5	24.4	26.8	28.3	29.4	30.2	32.7	33.6	34.8	34.8	35.2	36.1	37.2	37.3	39.7
GE 14000	19.1	24.5	25.5	27.8	29.3	30.4	31.3	33.8	34.7	36.0	36.1	36.4	37.3	38.5	38.6	41.0
GE 12000	20.6	26.5	27.6	30.0	31.6	32.7	33.7	36.2	37.2	38.5	38.6	38.9	39.8	41.1	41.2	43.8
GE 10000	22.7	29.1	30.2	32.7	34.3	35.5	36.5	39.0	40.0	41.3	41.5	41.9	42.8	44.0	44.1	46.7
GE 9000	24.0	30.7	31.8	34.5	36.2	37.4	38.5	41.0	42.0	43.2	43.4	43.8	44.7	45.9	46.0	48.6
GE 8000	24.2	31.0	32.1	34.8	36.5	37.9	38.9	41.4	42.4	43.7	43.9	44.2	45.1	46.4	46.5	49.1
GE 7000	24.2	31.2	32.4	35.1	36.8	38.1	39.1	41.6	42.6	43.9	44.2	44.6	45.5	46.7	46.8	49.4
GE 6000	24.7	31.9	33.1	35.9	37.6	38.9	39.9	42.4	43.4	44.7	45.0	45.4	46.3	47.5	47.6	50.2
GE 5000	26.7	34.8	36.5	39.5	41.2	42.5	43.6	46.2	47.3	48.5	48.9	49.2	50.1	51.5	51.6	54.2
GE 4500	27.6	36.2	37.9	40.8	42.6	44.0	45.1	47.9	49.0	50.2	50.6	50.9	51.8	53.2	53.3	55.9
GE 4000	28.5	37.2	38.9	41.9	43.8	45.1	46.4	49.2	50.3	51.6	51.9	52.3	53.2	54.5	54.6	57.2
GE 3500	29.3	38.3	40.0	43.0	45.0	46.4	47.6	50.5	51.6	52.8	53.2	53.5	54.4	55.8	55.9	58.5
GE 3000	31.0	40.2	42.0	45.1	47.7	49.1	50.3	53.2	54.3	55.5	55.9	56.2	57.4	58.7	58.9	61.5
GE 2500	33.5	43.3	45.1	48.5	51.1	52.5	53.8	56.7	57.8	59.0	59.4	59.7	60.9	62.2	62.4	65.0
GE 2000	34.6	44.6	46.6	50.2	52.8	54.2	55.5	58.4	59.5	60.7	61.1	61.4	62.6	63.9	64.1	66.7
GE 1800	35.4	45.5	47.5	51.4	54.0	55.3	56.8	59.6	60.7	62.0	62.3	62.7	63.8	65.2	65.4	68.0
GE 1500	36.7	47.1	49.1	52.9	55.5	56.9	58.6	61.4	62.6	63.9	64.3	64.6	65.7	67.1	67.3	69.9
GE 1200	38.1	48.9	51.1	55.2	58.0	59.5	61.3	64.3	65.4	66.7	67.1	67.4	68.6	69.9	70.2	72.7
GE 1000	39.3	50.5	52.9	57.1	60.2	62.0	64.0	67.1	68.2	69.6	69.9	70.2	71.4	72.7	73.0	75.6
GE 900	39.7	51.5	54.0	58.1	61.2	63.0	65.0	68.1	69.2	70.6	70.9	71.3	72.4	73.8	74.0	76.6
GE 800	40.0	51.8	54.3	58.5	61.6	63.7	65.7	68.9	70.0	71.5	71.8	72.2	73.3	74.7	74.9	77.5
GE 700	40.6	52.7	55.2	59.6	63.3	65.8	68.0	71.2	72.3	73.8	74.1	74.4	75.6	76.9	77.1	79.8
GE 600	41.2	54.1	56.7	61.3	65.2	68.0	70.2	73.6	74.9	76.4	76.8	77.3	78.4	79.8	80.0	82.6
GE 500	41.3	54.8	57.4	62.7	66.6	69.7	72.1	75.5	76.7	78.2	78.6	79.1	80.2	81.6	81.8	84.4
GE 400	41.6	55.5	58.7	64.5	68.8	72.5	75.1	79.0	80.2	81.7	82.1	82.6	83.7	85.1	85.3	87.9
GE 300	41.9	56.0	59.2	65.3	69.9	73.9	76.5	80.7	82.0	83.5	83.9	84.4	85.5	86.9	87.1	89.7
GE 200	41.9	56.3	59.5	66.2	71.4	75.3	78.3	83.4	85.1	86.9	87.3	87.8	88.9	90.3	90.5	93.1
GE 100	41.9	56.3	59.5	66.3	71.5	75.5	78.6	83.8	85.6	88.0	88.8	89.4	90.6	92.5	92.9	96.0
GE 0	41.9	56.3	59.5	66.3	71.5	75.5	78.6	83.9	85.7	88.1	88.9	89.5	91.0	93.7	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 884



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0900-1100

CEILING IN FEET	GT 160	GE 90	GE 90	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.8	20.0	21.3	22.7	23.4	23.7	24.2	24.7	25.0	25.4	25.5	25.5	25.5	25.5	25.5	25.5
GE 20000	23.7	29.1	30.6	32.7	33.7	34.1	34.6	35.4	35.7	36.1	36.2	36.2	36.2	36.2	36.3	36.4
GE 18000	23.7	29.1	30.6	32.7	33.7	34.1	34.6	35.4	35.7	36.1	36.2	36.2	36.2	36.2	36.3	36.4
GE 16000	23.7	29.1	30.6	32.7	33.7	34.1	34.6	35.4	35.7	36.1	36.2	36.2	36.2	36.2	36.3	36.4
GE 14000	24.4	30.1	31.8	33.7	34.8	35.2	35.8	36.6	36.8	37.2	37.3	37.3	37.3	37.3	37.5	37.6
GE 12000	25.8	31.7	33.4	35.5	36.6	37.0	37.6	38.4	38.6	39.0	39.1	39.1	39.1	39.1	39.3	39.4
GE 10000	28.2	35.1	36.8	39.0	40.2	40.6	41.3	42.2	42.4	42.9	43.0	43.0	43.0	43.0	43.1	43.2
GE 9000	29.9	37.1	38.8	41.1	42.3	43.0	43.8	44.7	44.9	45.3	45.4	45.4	45.4	45.4	45.6	45.7
GE 8000	30.1	37.3	39.0	41.3	42.5	43.2	44.0	44.9	45.1	45.6	45.7	45.7	45.7	45.7	45.8	45.9
GE 7000	30.4	37.6	39.3	41.5	42.9	43.5	44.3	45.2	45.4	45.9	46.0	46.0	46.0	46.0	46.1	46.2
GE 6000	31.5	39.0	40.7	43.4	44.8	45.4	46.2	47.1	47.4	47.8	47.9	47.9	47.9	47.9	48.0	48.1
GE 5000	33.3	41.3	43.0	45.9	47.4	48.0	49.0	50.1	50.3	50.7	50.8	50.8	50.8	50.8	51.0	51.1
GE 4500	35.3	44.2	46.1	49.2	50.6	51.3	52.5	53.5	53.8	54.2	54.3	54.3	54.3	54.3	54.4	54.6
GE 4000	37.0	46.5	48.4	51.6	53.1	53.8	55.0	56.0	56.2	56.7	56.8	56.8	56.8	56.8	56.9	57.0
GE 3500	38.1	47.8	49.7	53.0	54.4	55.1	56.4	57.4	57.6	58.2	58.3	58.3	58.3	58.3	58.4	58.5
GE 3000	39.7	49.8	51.7	55.1	56.9	57.6	58.8	60.0	60.2	60.9	61.0	61.0	61.0	61.0	61.1	61.2
GE 2500	43.0	53.4	55.3	58.8	60.7	61.4	62.7	63.8	64.0	64.7	64.8	64.8	64.8	64.8	64.9	65.0
GE 2000	47.8	58.8	60.7	64.6	66.6	67.4	68.6	69.7	70.0	70.6	70.7	70.8	70.8	70.8	70.9	71.0
GE 1800	50.2	61.4	63.4	67.4	69.5	70.3	71.5	72.7	72.9	73.6	73.7	73.7	73.7	73.7	73.8	73.9
GE 1500	53.2	65.0	67.2	71.4	73.6	74.5	75.7	76.8	77.1	77.7	77.8	77.8	77.8	77.8	78.0	78.1
GE 1200	55.9	68.2	70.6	75.3	77.5	78.4	79.6	80.8	81.0	81.7	81.8	81.8	81.8	81.8	81.9	82.0
GE 1000	57.4	69.9	72.7	77.5	80.1	81.1	82.3	83.5	83.7	84.4	84.5	84.5	84.5	84.5	84.6	84.7
GE 900	57.9	71.1	74.1	79.0	81.6	82.6	83.8	84.9	85.2	85.8	85.9	85.9	85.9	85.9	86.1	86.2
GE 800	58.4	72.4	75.6	80.7	83.4	84.7	86.1	87.3	87.5	88.2	88.3	88.3	88.3	88.3	88.4	88.5
GE 700	58.7	73.2	76.5	81.7	84.5	85.9	87.5	88.8	89.0	89.7	89.8	89.8	89.8	89.8	89.9	90.0
GE 600	58.9	74.0	77.4	82.7	85.6	87.3	88.9	90.2	90.6	91.2	91.3	91.3	91.3	91.3	91.5	91.6
GE 500	59.2	74.8	78.3	83.9	87.1	88.8	90.4	91.9	92.2	92.9	93.0	93.0	93.0	93.0	93.1	93.3
GE 400	59.2	74.8	78.3	84.3	87.5	89.2	91.3	93.1	93.7	94.4	94.5	94.5	94.5	94.5	94.6	94.7
GE 300	59.2	74.9	78.5	84.6	88.1	90.0	92.5	94.8	95.4	96.2	96.3	96.3	96.3	96.3	96.4	96.5
GE 200	59.2	75.0	78.6	85.3	88.9	90.8	93.6	96.2	96.9	97.8	98.0	98.0	98.1	98.2	98.4	98.5
GE 100	59.2	75.0	78.6	85.3	89.0	91.0	93.8	96.4	97.2	98.1	98.4	98.4	98.5	98.9	99.2	99.7
GE 0	59.2	75.0	78.6	85.3	89.0	91.0	93.8	96.4	97.2	98.1	98.4	98.4	98.5	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.7	22.8	23.0	23.3	24.1	24.6	24.9	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
GE 20000	29.2	36.0	36.4	37.1	38.0	38.4	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 18000	29.4	36.2	36.6	37.3	38.2	38.7	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 16000	29.5	36.3	36.8	37.4	38.3	38.8	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 14000	30.2	37.1	37.5	38.2	39.1	39.6	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 12000	31.0	37.9	38.3	39.0	39.9	40.4	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 10000	34.0	41.5	42.2	43.0	43.9	44.3	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 9000	35.1	43.0	43.6	44.4	45.4	46.0	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 8000	35.2	43.1	43.7	44.6	45.7	46.2	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 7000	35.9	43.7	44.4	45.3	46.4	47.0	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 6000	36.6	45.1	45.8	46.7	47.8	48.4	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 5000	39.6	49.4	50.4	51.4	52.8	53.3	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 4500	42.2	53.4	54.6	55.6	56.9	57.5	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4000	47.6	59.3	60.4	61.4	62.8	63.4	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 3500	50.1	62.0	63.1	64.1	65.5	66.1	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 3000	52.4	64.5	65.7	66.9	68.2	68.8	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 2500	57.7	70.6	71.8	73.1	74.4	75.0	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 2000	61.3	75.6	77.0	78.4	79.7	80.4	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 1800	63.6	77.9	79.4	80.8	82.2	82.9	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1500	65.2	79.9	81.6	83.2	84.7	85.3	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1200	68.4	84.2	86.1	87.9	89.9	90.5	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1000	69.4	85.7	87.6	89.6	91.8	92.8	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 900	69.6	86.1	88.0	90.2	92.7	93.7	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 800	70.0	86.9	88.8	91.0	93.6	94.6	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	70.2	87.5	89.5	91.7	94.3	95.4	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	70.3	87.7	89.7	91.9	94.5	95.7	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 500	70.5	87.9	90.0	92.4	95.0	96.4	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	70.5	87.9	90.1	92.6	95.2	96.6	97.4	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	70.5	87.9	90.1	92.6	95.4	96.8	97.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	70.5	87.9	90.1	92.6	95.4	97.0	98.0	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	70.5	87.9	90.1	92.6	95.4	97.0	98.0	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	70.5	87.9	90.1	92.6	95.4	97.0	98.0	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 867

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.4	24.5	24.8	25.1	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 20000	32.7	41.6	42.4	42.8	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 18000	32.7	41.6	42.4	42.8	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 16000	32.7	41.6	42.4	42.8	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 14000	34.2	43.4	44.2	44.6	45.7	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 12000	36.4	46.1	46.9	47.6	48.7	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 10000	38.8	49.6	50.5	51.2	52.3	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 9000	39.3	50.2	51.1	51.7	53.0	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 8000	39.4	50.3	51.2	51.9	53.1	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 7000	39.8	50.7	51.6	52.3	53.5	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 6000	40.9	52.6	53.5	54.2	55.6	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 5000	45.2	58.0	59.4	60.0	61.5	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 4500	48.8	62.4	63.7	64.6	66.2	66.6	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4000	52.0	66.1	67.6	68.5	70.1	70.5	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3500	53.6	68.1	69.6	70.5	72.2	72.5	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 3000	56.2	70.9	72.4	73.3	75.0	75.3	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	59.7	75.2	76.9	77.9	79.8	80.1	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 2000	62.3	78.6	80.5	81.5	83.6	84.1	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1800	63.9	80.6	82.6	83.8	86.1	86.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1500	64.4	81.7	83.7	85.0	87.3	87.8	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1200	65.8	83.2	85.3	86.6	89.6	90.0	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1000	66.4	84.2	86.4	87.9	90.9	91.4	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 900	66.7	84.8	87.1	88.8	91.6	92.3	93.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 800	66.8	85.0	87.3	89.0	92.1	92.6	93.4	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	67.1	85.6	88.1	90.0	93.2	93.6	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 600	67.2	86.2	88.7	91.0	94.5	94.9	95.7	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 500	67.5	86.5	89.0	91.4	94.8	95.3	96.1	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 400	67.5	86.6	89.1	91.5	95.1	95.6	96.6	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 300	67.5	86.8	89.2	91.7	95.3	96.1	97.2	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	67.5	86.8	89.2	91.9	95.5	96.5	97.8	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	67.5	86.8	89.2	91.9	95.5	96.5	97.8	99.1	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 0	67.5	86.8	89.2	91.9	95.5	96.5	97.8	99.1	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GE 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	20.7	29.6	31.3	33.2	34.1	34.8	35.1	35.8	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	
GE 20000	31.0	43.2	45.6	47.9	49.2	49.9	50.3	51.3	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	
GE 18000	31.3	43.4	45.8	48.1	49.4	50.2	50.5	51.5	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	
GE 16000	31.3	43.4	45.8	48.1	49.4	50.2	50.5	51.5	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	
GE 14000	31.7	44.0	46.3	48.7	49.9	50.7	51.1	52.1	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	
GE 12000	33.0	45.8	48.1	50.5	51.7	52.5	52.9	53.9	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	
GE 10000	36.2	49.8	52.4	55.1	56.5	57.3	57.6	58.6	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	
GE 9000	37.5	51.2	53.9	56.6	57.9	58.7	59.1	60.1	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	
GE 8000	37.6	51.4	54.1	56.8	58.3	59.1	59.5	60.5	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	
GE 7000	37.8	51.6	54.3	57.0	58.5	59.3	59.7	60.7	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	
GE 6000	38.0	52.1	54.8	57.5	58.9	59.7	60.2	61.2	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	
GE 5000	40.8	56.5	59.2	62.1	63.7	64.5	64.9	65.9	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	
GE 4500	42.2	58.6	61.3	64.5	66.1	66.9	67.5	68.5	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	
GE 4000	44.2	61.2	63.9	67.5	69.2	70.0	70.5	71.5	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	
GE 3500	45.1	62.8	65.5	69.1	70.8	71.5	72.2	73.2	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	
GE 3000	47.9	66.4	69.2	73.2	75.0	75.9	76.6	77.6	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	
GE 2500	50.3	69.7	72.9	76.9	78.7	79.8	80.4	81.7	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	
GE 2000	52.0	72.1	75.3	79.3	81.1	82.2	83.1	84.5	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	
GE 1800	52.2	72.4	75.6	79.9	81.8	83.0	84.0	85.4	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	
GE 1500	52.4	73.2	76.5	80.8	82.8	84.0	85.0	86.4	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	
GE 1200	53.4	74.5	77.7	82.0	84.3	85.6	86.6	88.2	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	
GE 1000	53.7	75.3	78.5	83.0	85.4	86.7	87.7	89.3	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	
GE 900	54.2	75.9	79.2	83.7	86.2	87.5	88.5	90.2	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	
GE 800	54.3	76.6	80.0	84.6	87.4	88.8	89.8	91.5	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	
GE 700	54.7	77.5	80.9	85.6	88.4	89.9	91.0	92.7	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	
GE 600	54.8	78.2	81.8	86.5	89.3	90.8	92.0	93.7	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	
GE 500	54.8	78.3	81.9	86.7	89.7	91.3	92.7	94.5	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	
GE 400	54.8	78.4	82.0	86.8	90.0	91.8	93.4	95.3	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	
GE 300	54.8	78.5	82.2	87.1	90.3	92.4	93.9	96.4	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	
GE 200	54.8	78.6	82.3	87.2	90.7	93.3	94.9	97.5	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	
GE 100	54.8	78.6	82.3	87.2	90.7	93.3	94.9	97.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	
GE 0	54.8	78.6	82.3	87.2	90.7	93.3	94.9	97.5	99.0	99.7	99.8	99.8	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		20.1	28.5	30.4	33.0	34.4	35.5	36.2	38.6	39.0	39.4	39.6	39.7	40.3	40.4	40.4	40.4
GE 20000		25.0	36.0	38.7	41.9	43.7	44.9	45.7	48.4	49.0	49.3	49.5	49.7	50.2	50.3	50.3	50.3
GE 18000		25.0	36.0	38.7	41.9	43.7	44.9	45.7	48.4	49.0	49.3	49.5	49.7	50.2	50.3	50.3	50.3
GE 16000		25.0	36.0	38.7	41.9	43.7	44.9	45.7	48.4	49.0	49.3	49.5	49.7	50.2	50.3	50.3	50.3
GE 14000		25.6	36.5	39.3	42.4	44.2	45.5	46.3	49.0	49.5	49.9	50.1	50.2	50.8	50.9	50.9	50.9
GE 12000		27.5	38.5	41.3	44.6	46.5	47.9	48.6	51.5	52.0	52.4	52.6	52.7	53.3	53.4	53.4	53.4
GE 10000		29.1	40.3	43.1	46.5	48.5	49.9	50.7	53.5	54.1	54.4	54.6	54.8	55.3	55.4	55.4	55.4
GE 9000		31.3	43.1	45.9	49.3	51.4	52.7	53.5	56.3	57.0	57.4	57.7	57.8	58.4	58.5	58.5	58.5
GE 8000		31.3	43.1	45.9	49.3	51.4	52.7	53.5	56.3	57.0	57.4	57.7	57.8	58.4	58.5	58.5	58.5
GE 7000		31.3	43.3	46.2	49.5	51.6	52.9	53.7	56.6	57.2	57.6	57.9	58.0	58.6	58.7	58.7	58.7
GE 6000		32.4	44.7	47.5	51.0	53.1	54.5	55.3	58.1	58.8	59.2	59.6	59.7	60.3	60.4	60.4	60.4
GE 5000		34.6	47.6	50.7	54.5	56.7	58.3	59.0	62.0	62.7	63.1	63.7	63.8	64.4	64.5	64.5	64.5
GE 4500		35.9	49.7	52.8	56.8	58.9	60.9	61.7	64.6	65.3	65.7	66.3	66.4	67.0	67.1	67.1	67.1
GE 4000		37.1	51.2	54.5	58.5	60.6	62.6	63.3	66.4	67.1	67.5	68.1	68.2	68.8	68.9	68.9	68.9
GE 3500		38.3	53.2	56.6	60.6	62.9	64.8	65.6	68.7	69.6	70.0	70.6	70.7	71.3	71.4	71.4	71.4
GE 3000		39.5	54.8	58.4	62.6	64.8	66.9	67.8	70.9	71.8	72.3	72.9	73.0	73.5	73.6	73.6	73.6
GE 2500		41.0	56.9	60.5	64.7	67.0	69.0	69.9	73.1	74.0	74.4	75.0	75.1	75.7	75.8	75.8	75.8
GE 2000		42.6	59.8	63.6	67.8	70.1	72.3	73.2	76.7	77.6	78.2	78.7	78.8	79.4	79.5	79.5	79.5
GE 1800		43.1	60.7	64.5	68.8	71.2	73.3	74.2	77.7	78.7	79.3	79.9	80.0	80.5	80.7	80.7	80.7
GE 1500		43.3	61.3	65.3	69.6	71.9	74.1	75.1	78.7	79.8	80.3	80.9	81.0	81.6	81.7	81.7	81.7
GE 1200		44.2	63.0	67.1	71.5	73.9	76.1	77.1	80.9	81.9	82.5	83.0	83.1	83.7	83.8	83.8	83.8
GE 1000		45.5	64.8	69.0	73.5	76.0	78.3	79.4	83.4	84.4	85.0	85.5	85.6	86.2	86.3	86.3	86.3
GE 900		45.6	65.3	69.5	74.0	76.5	78.7	79.9	83.9	85.0	85.5	86.1	86.2	86.8	86.9	86.9	86.9
GE 800		45.9	66.0	70.1	74.7	77.4	79.6	80.8	85.1	86.1	86.7	87.2	87.3	87.9	88.0	88.0	88.0
GE 700		46.3	66.7	71.2	75.9	78.6	81.0	82.4	86.7	87.7	88.2	88.8	88.9	89.5	89.6	89.6	89.6
GE 600		47.1	68.1	72.5	77.4	80.1	82.6	83.9	88.2	89.3	89.8	90.4	90.5	91.1	91.2	91.2	91.2
GE 500		47.3	68.4	73.0	78.4	81.1	83.6	85.0	89.3	90.4	91.0	91.5	91.6	92.2	92.3	92.3	92.3
GE 400		47.3	68.7	73.4	79.1	82.2	85.1	86.7	91.1	92.3	93.1	93.7	93.8	94.3	94.5	94.5	94.5
GE 300		47.3	68.7	73.4	79.4	82.8	85.6	87.2	91.6	92.9	93.8	94.3	94.5	95.1	95.2	95.2	95.2
GE 200		47.3	68.8	73.5	80.0	83.4	86.3	88.1	92.8	94.2	95.4	95.9	96.0	96.7	96.8	96.8	96.8
GE 100		47.3	68.8	73.5	80.0	83.4	86.3	88.1	93.0	94.6	96.2	96.8	96.9	97.9	98.1	98.1	98.4
GE 0		47.3	68.8	73.5	80.0	83.4	86.3	88.1	93.2	94.8	96.4	97.2	97.3	98.2	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 884

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFNUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 90	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.7	23.7	24.9	26.5	27.6	28.5	29.0	30.2	30.7	31.3	31.4	31.4	31.7	32.0	32.1	32.7
GE 20000	25.4	33.5	35.1	37.0	38.4	39.4	40.0	41.4	42.1	42.6	42.8	42.9	43.1	43.5	43.6	44.4
GE 18000	25.5	33.6	35.1	37.1	38.5	39.5	40.1	41.5	42.2	42.7	42.8	42.9	43.2	43.6	43.7	44.5
GE 16000	25.5	33.6	35.2	37.1	38.6	39.6	40.2	41.6	42.2	42.8	42.9	43.0	43.3	43.7	43.7	44.5
GE 14000	26.1	34.4	36.0	38.0	39.4	40.4	41.0	42.4	43.1	43.6	43.8	43.9	44.1	44.5	44.6	45.4
GE 12000	27.4	36.0	37.6	39.7	41.2	42.2	42.8	44.3	44.9	45.5	45.6	45.7	46.0	46.4	46.5	47.3
GE 10000	29.6	38.9	40.7	42.9	44.4	45.4	46.1	47.5	48.2	48.8	49.0	49.1	49.3	49.8	49.8	50.6
GE 9000	30.8	40.5	42.3	44.5	46.1	47.2	47.9	49.4	50.1	50.7	50.8	50.9	51.2	51.6	51.7	52.5
GE 8000	31.0	40.7	42.5	44.7	46.3	47.4	48.1	49.6	50.3	50.9	51.1	51.2	51.5	51.9	51.9	52.8
GE 7000	31.2	41.0	42.8	45.0	46.7	47.8	48.5	50.0	50.7	51.3	51.4	51.5	51.8	52.2	52.3	53.1
GE 6000	31.9	42.1	43.9	46.2	47.9	49.0	49.7	51.2	51.9	52.5	52.7	52.8	53.1	53.5	53.6	54.4
GE 5000	34.3	45.5	47.5	50.0	51.8	53.0	53.8	55.4	56.1	56.7	56.9	57.0	57.3	57.8	57.9	58.7
GE 4500	36.0	47.9	50.0	52.6	54.4	55.7	56.5	58.2	58.9	59.6	59.8	59.9	60.2	60.6	60.7	61.5
GE 4000	38.0	50.3	52.4	55.1	57.1	58.4	59.3	60.9	61.7	62.3	62.5	62.6	62.9	63.4	63.5	64.3
GE 3500	39.3	52.0	54.1	56.9	58.9	60.2	61.1	62.8	63.6	64.2	64.5	64.6	64.8	65.3	65.4	66.2
GE 3000	41.4	54.5	56.7	59.6	61.8	63.2	64.1	65.8	66.6	67.3	67.5	67.6	67.9	68.4	68.4	69.3
GE 2500	44.0	57.8	60.2	63.1	65.5	66.8	67.8	69.5	70.4	71.0	71.2	71.3	71.7	72.1	72.2	73.0
GE 2000	46.4	61.0	63.4	66.5	68.9	70.4	71.4	73.2	74.0	74.7	74.9	75.0	75.3	75.8	75.9	76.7
GE 1800	47.4	62.3	64.8	68.0	70.5	72.0	73.0	74.8	75.7	76.3	76.6	76.7	77.0	77.5	77.5	78.4
GE 1500	48.6	63.6	66.5	69.8	72.4	73.8	75.0	76.8	77.7	78.3	78.5	78.6	79.0	79.4	79.5	80.3
GE 1200	50.2	66.2	68.9	72.4	75.2	76.7	77.9	79.8	80.6	81.3	81.5	81.6	82.0	82.4	82.5	83.3
GE 1000	51.1	67.5	70.4	74.1	77.0	78.7	79.9	81.9	82.8	83.4	83.7	83.8	84.1	84.6	84.6	85.5
GE 900	51.5	68.4	71.4	75.1	78.2	79.8	81.0	83.0	83.9	84.6	84.9	85.0	85.3	85.8	85.8	86.7
GE 800	51.8	69.1	72.1	75.9	79.1	80.8	82.0	84.2	85.1	85.8	86.0	86.1	86.5	86.9	87.0	87.8
GE 700	52.2	69.9	73.0	76.9	80.1	82.0	83.4	85.5	86.4	87.2	87.4	87.5	87.9	88.3	88.4	89.2
GE 600	52.4	70.6	73.9	77.9	81.3	83.3	84.7	87.0	87.9	88.7	88.9	89.0	89.4	89.8	89.9	90.8
GE 500	52.6	71.1	74.4	78.9	82.3	84.4	85.8	88.2	89.2	90.0	90.2	90.3	90.7	91.1	91.2	92.0
GE 400	52.8	71.5	75.0	79.6	83.3	85.7	87.2	89.8	90.9	91.7	91.9	92.1	92.4	92.9	93.0	93.8
GE 300	52.8	71.6	75.3	80.1	84.0	86.4	88.2	91.1	92.2	93.1	93.4	93.5	93.8	94.3	94.4	95.2
GE 200	52.8	71.7	75.4	80.5	84.5	87.1	89.1	92.3	93.6	94.7	94.9	95.0	95.5	96.0	96.1	96.9
GE 100	52.8	71.8	75.4	80.6	84.6	87.3	89.3	92.6	94.1	95.4	95.7	95.9	96.3	97.0	97.1	98.2
GE 0	52.8	71.8	75.4	80.6	84.6	87.3	89.3	92.7	94.2	95.5	95.9	96.1	96.6	97.6	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7103

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	17.8	24.7	26.6	29.3	30.4	31.1	31.8	33.3	33.9	34.3	34.4	34.6	35.0	35.5	35.6	37.4
GE 20000	21.8	30.5	33.2	36.0	37.2	38.2	39.0	40.7	41.3	41.6	41.8	42.0	42.4	42.8	43.0	44.8
GE 18000	22.1	30.9	33.6	36.4	37.6	38.6	39.5	41.1	41.8	42.1	42.2	42.4	42.8	43.3	43.4	45.2
GE 16000	22.1	30.9	33.6	36.4	37.6	38.6	39.5	41.1	41.8	42.1	42.2	42.4	42.8	43.3	43.4	45.2
GE 14000	22.6	31.3	34.2	37.0	38.2	39.2	40.0	41.6	42.3	42.6	42.7	43.0	43.4	43.8	43.9	45.8
GE 12000	23.0	32.1	34.9	37.9	39.0	40.0	41.0	42.6	43.4	43.7	43.8	44.0	44.5	44.9	45.0	46.9
GE 10000	24.3	33.9	36.8	39.8	41.0	42.0	43.1	44.7	45.4	45.8	45.9	46.1	46.5	47.0	47.1	48.9
GE 9000	24.4	34.6	37.4	40.7	42.0	43.1	44.3	45.9	46.6	47.0	47.1	47.3	47.7	48.2	48.3	50.1
GE 8000	24.5	34.9	37.7	41.0	42.3	43.4	44.6	46.2	47.0	47.3	47.4	47.6	48.0	48.5	48.6	50.4
GE 7000	24.5	35.1	38.0	41.2	42.6	43.7	44.9	46.5	47.3	47.6	47.7	47.9	48.4	48.8	48.9	50.8
GE 6000	25.2	36.3	39.3	42.6	44.1	45.2	46.4	48.0	48.8	49.2	49.3	49.6	50.0	50.4	50.5	52.5
GE 5000	26.5	38.8	41.8	45.1	46.6	47.7	49.0	50.7	51.5	52.0	52.1	52.3	52.7	53.1	53.3	55.2
GE 4500	27.1	39.9	42.8	46.4	47.9	49.1	50.4	52.1	53.0	53.5	53.6	53.8	54.2	54.7	54.8	56.7
GE 4000	28.2	41.3	44.3	47.8	49.3	50.5	51.8	53.5	54.4	54.9	55.0	55.2	55.6	56.1	56.2	58.1
GE 3500	29.0	42.4	45.4	49.0	50.5	51.7	53.0	54.7	55.6	56.1	56.2	56.4	56.8	57.3	57.4	59.3
GE 3000	30.7	44.8	48.2	52.1	53.6	54.9	56.2	57.8	58.8	59.2	59.3	59.5	60.0	60.4	60.5	62.5
GE 2500	32.3	47.2	50.8	54.7	56.3	57.6	58.9	60.5	61.5	61.9	62.0	62.3	62.7	63.1	63.2	65.2
GE 2000	33.6	50.0	53.8	58.1	60.4	62.0	63.3	65.2	66.2	66.6	66.9	67.0	67.6	68.1	68.2	70.2
GE 1800	34.4	51.1	55.2	59.5	62.0	64.0	65.3	67.6	68.5	69.0	69.2	69.4	70.0	70.6	70.7	72.7
GE 1500	35.0	52.6	56.7	61.3	64.0	65.9	67.6	70.5	71.5	71.9	72.1	72.3	72.9	73.5	73.6	75.7
GE 1200	36.9	55.4	59.8	64.4	67.4	69.3	71.1	74.2	75.3	75.7	75.9	76.1	76.7	77.3	77.4	79.6
GE 1000	38.1	57.3	61.7	66.6	69.7	71.8	73.9	76.9	78.1	78.5	78.7	79.0	79.5	80.2	80.3	82.4
GE 900	38.4	58.0	62.5	67.4	70.5	72.6	74.6	77.8	79.0	79.4	79.6	79.8	80.4	81.0	81.1	83.3
GE 800	38.8	59.0	63.4	68.5	71.9	74.1	76.1	79.3	80.6	81.0	81.2	81.5	82.0	82.6	82.8	84.9
GE 700	39.0	59.9	64.4	69.8	73.4	75.6	77.7	80.8	82.1	82.5	82.8	83.0	83.5	84.2	84.3	86.4
GE 600	39.3	60.2	65.1	70.5	74.2	76.4	78.6	81.8	83.2	83.7	84.1	84.3	84.9	85.6	85.7	87.9
GE 500	39.3	60.6	65.6	71.3	75.2	77.4	79.8	83.0	84.4	84.9	85.2	85.5	86.1	86.8	86.9	89.0
GE 400	39.4	61.3	66.5	72.2	76.5	78.9	81.5	84.7	86.1	86.6	87.1	87.3	88.0	88.6	89.7	90.9
GE 300	39.4	61.5	66.9	73.0	77.2	79.8	82.5	86.0	87.5	88.2	88.5	88.7	89.4	90.0	90.1	92.3
GE 200	39.4	61.6	67.0	73.1	77.9	80.5	83.3	87.5	89.2	90.0	90.3	90.6	91.2	92.1	92.2	94.4
GE 100	39.4	61.6	67.0	73.1	78.2	81.2	84.3	88.7	90.6	91.6	92.1	92.3	93.0	93.9	94.0	96.9
GE 0	39.4	61.6	67.1	73.2	78.3	81.3	84.4	88.8	90.7	91.8	92.2	92.6	93.5	95.2	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.1	21.8	23.5	24.7	26.3	27.2	28.2	29.7	30.2	31.3	31.6	31.9	32.4	33.2	33.2	35.6
GE 20000	19.6	26.0	28.1	29.5	31.4	32.4	33.5	35.3	36.0	37.1	37.4	37.6	38.1	38.9	38.9	41.5
GE 18000	19.7	26.1	28.2	29.6	31.5	32.5	33.6	35.4	36.1	37.2	37.5	37.7	38.2	39.0	39.0	41.6
GE 16000	19.8	26.2	28.3	29.7	31.6	32.6	33.7	35.5	36.2	37.3	37.6	37.8	38.4	39.1	39.1	41.7
GE 14000	20.3	27.1	29.1	30.6	32.5	33.5	34.6	36.4	37.1	38.1	38.5	38.7	39.2	40.0	40.0	42.6
GE 12000	20.8	27.6	29.7	31.1	33.0	34.0	35.1	36.9	37.6	38.7	39.0	39.2	39.8	40.5	40.5	43.1
GE 10000	21.3	28.6	30.7	32.2	34.1	35.4	36.5	38.4	39.0	40.1	40.4	40.6	41.2	41.9	41.9	44.5
GE 9000	22.0	29.6	31.6	33.2	35.1	36.4	37.5	39.3	40.0	41.1	41.4	41.6	42.1	42.9	42.9	45.5
GE 8000	22.2	29.9	32.0	33.5	35.6	36.7	37.8	39.7	40.3	41.4	41.7	41.9	42.5	43.2	43.2	45.8
GE 7000	22.3	30.3	32.4	34.0	36.1	37.4	38.5	40.3	41.0	42.0	42.4	42.6	43.1	43.9	43.9	46.5
GE 6000	22.8	30.8	32.8	34.5	36.7	37.8	38.9	40.8	41.5	42.6	42.9	43.1	43.7	44.4	44.4	47.1
GE 5000	25.2	33.8	36.2	38.0	40.4	41.5	42.9	44.9	45.5	46.6	46.9	47.1	47.7	48.4	48.5	51.4
GE 4500	26.5	35.4	37.9	40.3	42.7	43.9	45.4	47.3	48.0	49.1	49.4	49.6	50.2	50.9	51.0	53.8
GE 4000	27.4	36.6	39.2	41.7	44.3	45.5	47.0	49.0	49.6	50.7	51.0	51.2	51.8	52.5	52.7	55.5
GE 3500	27.5	37.1	39.7	42.1	45.0	46.2	47.7	49.6	50.3	51.4	51.7	51.9	52.4	53.2	53.3	56.1
GE 3000	28.8	38.9	41.7	44.2	47.0	48.2	49.7	51.7	52.3	53.4	53.7	54.0	54.5	55.3	55.4	58.2
GE 2500	30.6	41.6	44.7	47.9	50.9	52.1	53.6	55.6	56.2	57.3	57.6	57.9	58.4	59.2	59.3	62.1
GE 2000	32.3	44.3	47.8	51.1	54.6	56.0	57.5	59.9	60.6	61.8	62.1	62.3	62.8	63.7	63.8	66.6
GE 1800	32.7	45.2	48.9	52.4	56.2	57.9	59.4	62.1	62.7	63.9	64.2	64.5	65.1	66.0	66.1	68.9
GE 1500	33.4	47.2	50.9	54.7	58.6	60.3	61.9	64.7	65.3	66.5	66.8	67.1	67.7	68.6	68.7	71.5
GE 1200	34.7	49.9	53.7	58.2	62.3	64.0	65.5	68.6	69.2	70.4	70.7	71.0	71.6	72.5	72.6	75.4
GE 1000	35.4	51.7	55.9	60.6	65.1	67.1	68.6	71.7	72.5	73.8	74.1	74.3	75.1	75.9	76.1	78.9
GE 900	35.6	52.2	56.4	61.2	65.8	67.7	69.2	72.7	73.5	74.8	75.1	75.3	76.1	76.9	77.0	79.8
GE 800	36.2	53.3	57.5	62.4	67.2	69.1	70.6	74.2	75.0	76.3	76.6	76.8	77.6	78.4	78.5	81.4
GE 700	36.4	54.5	58.8	64.1	68.9	70.9	72.4	75.9	76.7	78.0	78.3	78.5	79.3	80.2	80.3	83.1
GE 600	36.7	55.8	60.1	65.4	70.3	72.6	74.3	78.0	78.8	80.1	80.4	80.6	81.5	82.3	82.4	85.3
GE 500	36.7	56.2	60.8	66.3	71.2	73.6	75.3	79.0	79.7	81.0	81.4	81.6	82.4	83.4	83.5	86.3
GE 400	36.7	56.8	61.6	67.3	72.3	75.2	76.9	80.7	81.6	83.0	83.3	83.5	84.4	85.4	85.5	88.3
GE 300	36.8	57.1	62.3	68.1	73.5	76.7	78.4	82.4	83.4	84.8	85.2	85.4	86.2	87.2	87.3	90.1
GE 200	36.8	57.4	62.8	69.4	74.8	78.2	80.3	84.7	85.8	87.2	87.5	87.8	88.7	89.7	89.8	92.6
GE 100	36.8	57.4	62.8	69.4	75.2	78.7	80.7	85.8	87.2	88.6	89.9	90.2	91.3	91.4	91.4	94.9
GE 0	36.8	57.4	62.8	69.4	75.2	78.7	80.7	85.8	87.4	88.8	89.4	89.6	90.7	92.0	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 923



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(1ST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		12.4	15.7	16.3	17.2	17.6	17.8	18.3	18.8	19.2	19.9	20.1	20.4	20.9	22.1	22.4	24.3
GE 20000	17.4	21.7	22.9	24.4	25.3	25.5	26.1	27.2	27.8	28.8	29.1	29.5	30.3	31.8	32.1	34.1	
GE 18000	17.7	22.1	23.2	24.8	25.6	25.8	26.4	27.6	28.1	29.1	29.4	29.8	30.6	32.1	32.4	34.4	
GE 16000	17.8	22.2	23.4	24.9	25.7	25.9	26.5	27.7	28.2	29.2	29.5	29.9	30.7	32.2	32.5	34.5	
GE 14000	18.1	22.6	23.8	25.3	26.4	26.6	27.1	28.3	28.9	29.8	30.2	30.6	31.4	32.9	33.2	35.1	
GE 12000	18.8	23.8	25.1	26.7	27.9	28.1	28.6	29.8	30.4	31.4	31.7	32.2	33.0	34.5	34.9	36.9	
GE 10000	20.6	25.9	27.4	29.0	30.5	30.8	31.4	32.6	33.2	34.2	34.6	35.1	35.9	37.4	37.8	39.8	
GE 9000	21.8	27.7	29.2	30.8	32.3	32.6	33.2	34.8	35.4	36.3	36.8	37.3	38.1	39.6	40.0	41.9	
GE 8000	21.9	27.9	29.4	31.0	32.5	32.9	33.4	35.0	35.6	36.5	37.0	37.5	38.4	39.9	40.3	42.3	
GE 7000	22.2	28.2	29.7	31.4	32.9	33.2	33.8	35.8	36.3	37.3	37.7	38.3	39.1	40.6	41.1	43.0	
GE 6000	22.6	28.8	30.3	32.2	33.7	34.1	34.7	36.6	37.2	38.2	38.6	39.1	40.0	41.5	41.9	43.9	
GE 5000	24.9	32.1	33.8	36.1	37.8	38.3	39.0	41.1	41.7	42.7	43.1	43.7	44.5	46.1	46.5	48.5	
GE 4500	25.8	33.2	34.9	37.3	39.7	39.7	40.4	42.5	43.1	44.1	44.5	45.1	45.9	47.6	48.0	50.1	
GE 4000	26.7	34.1	35.9	38.3	40.5	41.0	41.7	43.8	44.4	45.4	45.8	46.5	47.5	49.1	49.6	51.7	
GE 3500	27.8	35.4	37.2	39.6	41.9	42.4	43.1	45.3	45.9	46.9	47.4	48.0	49.0	50.6	51.1	53.2	
GE 3000	29.4	37.4	39.4	41.8	44.5	45.0	45.7	48.0	48.6	49.6	50.1	50.7	51.7	53.3	53.8	55.9	
GE 2500	30.8	39.4	41.3	44.0	47.2	47.8	48.8	51.1	51.8	52.8	53.2	53.8	54.8	56.5	57.1	59.1	
GE 2000	32.9	42.5	44.9	47.8	51.2	52.0	53.2	56.1	56.8	58.1	58.5	59.1	60.1	61.8	62.4	64.4	
GE 1800	33.6	43.6	46.1	49.4	52.9	53.6	54.8	57.8	58.5	59.8	60.3	61.0	61.9	63.7	64.2	66.3	
GE 1500	34.8	45.3	48.0	51.7	55.1	55.9	57.1	60.2	60.9	62.3	62.8	63.5	64.4	66.2	66.7	68.8	
GE 1200	35.8	47.9	50.9	54.8	58.5	59.2	60.4	63.7	64.4	65.8	66.6	67.2	68.3	70.2	70.7	72.9	
GE 1000	36.2	49.0	52.0	55.9	59.9	60.8	62.1	65.3	66.1	67.5	68.2	68.9	69.9	71.8	72.3	74.5	
GE 900	36.4	49.7	52.9	56.9	61.1	61.9	63.2	66.8	67.7	69.1	69.8	70.5	71.6	73.4	73.9	76.1	
GE 800	36.6	50.5	53.8	58.2	62.6	63.6	65.0	68.5	69.4	70.8	71.6	72.2	73.3	75.1	75.7	77.8	
GE 700	37.1	51.7	55.4	60.3	65.7	66.3	67.9	71.5	72.3	73.7	74.5	75.1	76.2	78.1	78.6	80.8	
GE 600	37.5	52.8	56.6	61.9	67.7	68.5	70.4	74.4	75.2	76.6	77.4	78.1	79.1	81.0	81.5	83.7	
GE 500	37.5	53.3	57.2	62.7	68.1	69.5	71.6	75.7	76.5	78.1	78.8	79.5	80.5	82.4	82.9	85.2	
GE 400	37.6	53.8	57.8	63.4	68.9	70.7	72.9	77.3	78.2	79.9	80.6	81.3	82.4	84.2	84.8	87.0	
GE 300	37.6	53.9	58.3	64.1	69.9	72.2	74.6	79.2	80.2	81.9	82.7	83.4	84.5	86.4	86.9	89.2	
GE 200	37.6	54.1	58.4	64.4	70.4	73.5	76.3	81.1	82.2	83.9	84.6	85.3	86.5	88.5	89.1	91.4	
GE 100	37.6	54.1	58.4	64.4	71.7	73.6	76.5	81.5	82.4	84.8	85.5	86.2	87.7	89.8	90.5	93.9	
GE 0	37.6	54.1	58.4	64.4	71.7	73.6	76.5	81.5	82.4	85.0	85.8	86.5	88.1	90.7	91.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	13.9	18.2	19.1	20.7	21.6	22.1	22.6	23.1	23.3	23.7	24.8	23.8	23.8	24.1	24.1	24.2
GE 20000	23.6	30.6	31.7	33.8	34.9	35.4	36.3	36.9	37.2	37.6	37.7	37.7	37.7	37.9	37.9	38.0
GE 18000	23.7	30.7	31.9	33.9	35.0	35.5	36.4	37.1	37.3	37.7	37.8	37.8	37.8	38.0	38.0	38.1
GE 16000	23.9	30.9	32.1	34.1	35.2	35.8	36.6	37.3	37.5	37.9	38.0	38.0	38.0	38.2	38.2	38.4
GE 14000	24.0	32.0	33.3	35.3	36.4	37.2	38.0	38.7	38.9	39.3	39.4	39.4	39.4	39.7	39.7	39.8
GE 12000	26.1	33.6	35.1	37.2	38.5	39.0	39.9	40.5	40.7	41.2	41.3	41.3	41.3	41.5	41.5	41.6
GE 10000	27.5	35.5	36.9	39.1	40.4	41.0	41.8	42.5	42.7	43.1	43.2	43.2	43.2	43.4	43.4	43.6
GE 9000	28.7	37.2	38.6	40.8	42.4	43.1	44.0	44.6	44.9	45.3	45.4	45.4	45.4	45.6	45.6	45.7
GE 8000	29.3	37.7	39.1	41.4	42.9	43.7	44.5	45.2	45.4	45.8	45.9	45.9	45.9	46.2	46.2	46.3
GE 7000	29.5	37.9	39.3	41.6	43.1	43.9	44.7	45.4	45.6	46.0	46.2	46.2	46.2	46.4	46.4	46.5
GE 6000	30.2	39.1	40.5	42.8	44.3	45.1	45.9	46.6	46.8	47.2	47.3	47.3	47.3	47.6	47.6	47.7
GE 5000	31.6	41.2	42.6	45.0	46.5	47.2	48.1	48.9	49.1	49.5	49.6	49.6	49.6	49.8	49.8	49.9
GE 4500	32.3	41.8	43.2	45.8	47.6	48.3	49.2	49.9	50.2	50.6	50.7	50.7	50.7	50.9	50.9	51.0
GE 4000	33.7	44.1	45.6	48.5	50.4	51.2	52.2	53.2	53.4	53.8	54.0	54.0	54.0	54.2	54.2	54.3
GE 3500	34.2	44.9	46.5	49.6	51.6	52.4	53.4	54.4	54.6	55.0	55.1	55.1	55.1	55.4	55.4	55.5
GE 3000	35.6	46.5	48.1	51.5	53.4	54.3	55.3	56.3	56.6	57.0	57.1	57.1	57.1	57.3	57.3	57.4
GE 2500	36.9	48.4	50.3	53.8	56.0	56.9	58.0	59.3	59.6	60.0	60.1	60.1	60.1	60.3	60.3	60.5
GE 2000	39.8	52.0	54.1	57.9	60.4	61.3	62.4	63.7	64.0	64.5	64.6	64.6	64.6	64.8	64.8	64.9
GE 1800	41.3	53.8	56.0	60.0	62.6	63.6	64.7	66.0	66.3	66.8	67.0	67.0	67.0	67.2	67.2	67.4
GE 1500	43.7	57.2	59.5	63.7	66.6	67.8	68.9	70.3	70.7	71.3	71.4	71.4	71.4	71.6	71.6	71.8
GE 1200	46.0	60.5	62.9	67.5	71.0	72.3	73.5	74.9	75.3	75.9	76.1	76.1	76.1	76.3	76.3	76.5
GE 1000	46.5	61.4	64.0	68.6	72.7	74.0	75.1	76.9	77.4	78.0	78.1	78.1	78.1	78.3	78.3	78.5
GE 900	47.7	63.1	66.1	70.9	75.2	76.5	77.6	79.6	80.1	80.7	80.9	80.8	80.8	81.0	81.0	81.3
GE 800	49.2	64.6	67.7	72.7	77.5	79.0	80.2	82.2	82.7	83.3	83.4	83.4	83.4	83.6	83.6	83.9
GE 700	48.3	65.1	68.6	73.6	78.5	80.2	81.4	83.5	84.0	84.6	84.7	84.7	84.7	84.9	84.9	85.2
GE 600	49.8	66.8	70.3	75.7	81.0	82.8	84.0	86.3	86.8	87.4	87.5	87.5	87.5	87.8	87.8	88.0
GE 500	49.0	67.5	71.1	76.7	82.1	84.0	85.2	87.5	88.0	88.6	88.7	88.7	88.7	88.9	88.9	89.2
GE 400	49.1	67.9	71.5	77.2	83.0	84.8	86.2	88.7	89.3	90.1	90.2	90.2	90.2	90.5	90.5	90.7
GE 300	49.1	68.0	71.9	77.6	84.1	86.2	87.8	90.5	91.2	92.4	92.4	92.5	92.5	92.7	92.7	93.0
GE 200	49.1	68.0	71.9	78.0	84.5	86.8	88.6	91.4	92.4	93.7	93.9	93.9	93.9	94.3	94.3	94.5
GE 100	49.1	68.0	71.9	78.0	84.5	87.0	89.1	92.1	93.1	95.0	95.1	95.4	95.8	96.7	96.9	97.4
GE 0	49.1	68.0	71.9	78.0	84.5	87.0	89.1	92.1	93.1	95.0	95.1	95.4	95.8	97.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOACOMEE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CCTL	12.6	17.4	18.0	18.8	20.0	20.3	20.7	20.7	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
GE 20000	22.5	29.3	30.1	31.1	32.4	32.9	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
GE 18000	22.5	29.3	30.1	31.1	32.4	32.9	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
GE 16000	22.6	29.4	30.3	31.2	32.5	33.0	33.3	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 14000	24.4	31.3	32.2	33.3	34.6	35.0	35.4	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 12000	25.8	33.2	34.2	35.3	36.6	37.0	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 10000	28.5	36.3	37.3	38.5	39.9	40.4	40.7	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 9000	29.6	37.6	38.6	39.8	41.2	41.7	42.1	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 8000	29.8	37.9	38.8	40.3	41.7	42.1	42.5	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 7000	30.0	38.1	39.2	40.7	42.1	42.5	43.0	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 6000	31.2	39.6	40.7	42.2	43.6	44.1	44.5	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 5000	33.2	42.3	43.4	45.0	46.6	47.0	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 4500	34.3	43.6	44.8	46.8	48.3	48.7	49.3	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 4000	37.4	47.6	49.9	50.9	52.4	52.9	53.4	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 3500	39.1	49.7	51.0	53.1	54.6	55.1	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 3000	42.3	53.8	55.1	57.1	58.7	59.1	59.6	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 2500	47.1	59.1	60.6	62.7	64.7	64.9	65.4	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 2000	52.0	65.1	66.9	69.2	70.8	71.4	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 1800	54.4	67.8	69.6	72.1	73.8	74.3	75.0	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 1600	56.5	70.5	72.5	75.5	77.1	77.9	78.6	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 1200	59.7	75.2	77.6	81.2	83.5	84.1	84.8	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1000	60.3	76.4	78.9	83.0	85.5	86.4	87.2	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 900	60.9	77.5	80.0	84.2	86.7	87.8	88.6	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 800	61.5	79.3	81.9	86.2	88.9	89.9	90.6	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 700	61.6	79.7	82.6	87.1	90.0	91.0	91.8	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 600	61.7	80.2	83.2	88.0	91.2	92.2	93.1	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 500	62.1	81.1	84.2	89.4	92.7	93.8	94.9	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 400	62.1	81.2	84.4	89.7	93.1	94.6	95.6	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 300	62.1	81.2	84.7	90.1	93.7	95.2	96.7	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 200	62.1	81.2	84.7	90.1	93.7	95.2	96.7	98.5	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2
GE 100	62.1	81.2	84.7	90.1	93.4	95.3	96.8	98.8	99.1	99.5	99.5	99.6	99.7	99.7	99.7	99.7
GE 0	62.1	81.2	84.7	90.1	93.4	95.3	96.8	98.8	99.1	99.5	99.6	99.7	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMME DOWN UN

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	15.5	19.6	20.0	21.3	22.4	22.6	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
GE 20000	26.2	32.4	33.4	34.8	36.0	36.2	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 18000	26.6	32.6	33.7	35.1	36.3	36.6	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 16000	26.7	33.1	34.1	35.5	36.7	36.9	37.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 14000	28.3	34.8	35.8	37.2	38.4	38.6	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 12000	30.1	37.2	38.2	39.6	40.8	41.0	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 10000	33.2	40.6	41.7	43.1	44.3	44.5	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 9000	34.1	41.6	42.7	44.1	45.3	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 8000	34.8	42.4	43.5	45.0	46.2	46.5	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.6	47.6	47.6
GE 7000	34.9	43.1	44.2	45.8	47.0	47.2	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3
GE 6000	35.8	44.7	45.8	47.4	48.6	48.9	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9
GE 5000	34.1	47.9	49.0	50.6	51.8	52.1	52.9	53.3	53.3	53.3	53.3	53.4	53.4	53.5	53.5	53.5
GE 4000	40.3	50.5	51.6	53.5	54.8	55.2	55.9	56.4	56.4	56.4	56.4	56.4	56.5	56.6	56.6	56.6
GE 3000	42.5	53.0	54.1	56.0	57.3	57.7	58.4	59.0	59.0	59.0	59.0	59.0	59.1	59.2	59.2	59.2
GE 2500	45.0	55.6	56.7	58.7	60.0	60.3	61.2	61.7	61.7	61.7	61.7	61.7	61.8	61.9	61.9	61.9
GE 2000	44.1	59.4	60.5	62.6	64.0	64.3	65.2	65.7	65.7	65.7	65.7	65.7	65.8	65.9	65.9	65.9
GE 1800	50.8	62.7	63.8	66.2	67.7	68.0	68.9	69.5	69.5	69.5	69.5	69.6	69.6	69.7	69.7	69.7
GE 1600	54.1	67.8	69.1	71.9	74.2	74.6	75.5	76.2	76.2	76.2	76.2	76.3	76.3	76.4	76.4	76.4
GE 1400	55.1	69.2	70.8	73.7	76.0	76.5	77.4	78.0	78.0	78.0	78.0	78.1	78.1	78.2	78.2	78.2
GE 1200	56.7	72.7	74.3	77.9	80.4	81.0	81.8	82.5	82.5	82.5	82.5	82.6	82.6	82.7	82.7	82.7
GE 1000	54.8	75.7	77.6	81.6	84.2	84.9	85.7	86.7	86.7	86.7	86.7	86.8	86.8	86.9	86.9	86.9
GE 900	59.1	76.6	78.5	82.7	85.4	86.3	87.3	88.2	88.2	88.2	88.2	88.4	88.4	88.5	88.5	88.5
GE 800	59.1	76.9	79.0	83.4	86.2	87.3	88.4	89.4	89.4	89.4	89.4	89.6	89.6	89.7	89.7	89.7
GE 700	59.7	78.0	80.4	85.1	88.0	89.3	90.4	91.5	91.5	91.5	91.5	91.6	91.6	91.7	91.7	91.7
GE 600	59.8	78.5	81.1	85.9	89.1	90.5	91.6	92.9	93.1	93.3	93.3	93.4	93.4	93.5	93.5	93.5
GE 500	60.2	79.0	81.7	86.8	90.5	92.1	93.4	94.9	95.1	95.2	95.2	95.3	95.3	95.4	95.4	95.4
GE 400	60.5	79.7	82.6	87.7	91.5	93.3	94.7	96.3	96.5	96.6	96.6	96.7	96.7	96.8	96.8	96.8
GE 300	60.6	80.0	82.9	88.1	92.2	93.9	95.4	97.1	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.6
GE 200	60.6	80.0	82.9	88.2	92.5	94.2	96.0	97.6	97.9	98.0	98.0	98.2	98.2	98.3	98.3	98.3
GE 100	60.6	80.0	82.9	88.4	92.7	94.8	96.7	98.7	99.0	99.2	99.2	99.3	99.3	99.5	99.5	99.5
GE 0	60.6	80.0	82.9	88.4	92.9	94.9	96.8	98.9	99.2	99.7	99.7	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		20.2	23.2	24.5	26.4	27.9	28.9	29.3	30.1	30.4	30.5	30.7	30.7	30.7	30.7	30.8	31.0
GE 20000	28.2	33.5	35.2	37.6	39.7	40.6	41.3	42.1	42.4	42.6	42.8	42.8	42.8	42.8	42.8	42.9	43.1
GE 18000	28.2	33.5	35.2	37.6	39.7	40.6	41.3	42.1	42.4	42.6	42.8	42.8	42.8	42.8	42.8	42.9	43.1
GE 16000	28.2	33.5	35.2	37.6	39.7	40.6	41.3	42.1	42.4	42.6	42.8	42.8	42.8	42.8	42.8	42.9	43.1
GE 14000	28.9	34.4	36.1	38.6	40.6	41.6	42.3	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.9	44.1
GE 12000	30.9	36.6	38.5	41.1	43.1	44.1	44.9	45.6	45.9	46.2	46.4	46.4	46.4	46.4	46.4	46.5	46.7
GE 10000	32.9	38.8	41.1	44.2	46.4	47.4	48.2	49.0	49.3	49.5	49.7	49.7	49.7	49.7	49.7	49.8	50.1
GE 9000	34.7	40.8	43.2	46.5	48.6	49.6	50.5	51.4	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.2	52.4
GE 8000	35.0	41.2	43.7	46.9	49.1	50.1	50.9	51.8	52.1	52.3	52.5	52.5	52.5	52.5	52.5	52.6	52.9
GE 7000	35.1	41.5	44.0	47.2	49.4	50.4	51.2	52.1	52.4	52.6	52.9	52.9	52.9	52.9	52.9	53.0	53.2
GE 6000	35.6	42.4	45.0	48.2	50.4	51.4	52.2	53.1	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.9	54.2
GE 5000	37.3	45.4	48.3	51.7	53.8	54.9	55.8	56.8	57.1	57.3	57.5	57.5	57.6	57.6	57.6	57.7	57.9
GE 4500	38.6	47.5	50.4	53.9	56.2	57.3	58.2	59.1	59.5	59.7	59.9	60.0	60.0	60.0	60.0	60.1	60.3
GE 4000	39.6	48.4	51.4	55.1	57.5	58.6	59.5	60.4	60.8	61.0	61.2	61.3	61.3	61.3	61.3	61.4	61.6
GE 3500	40.0	48.9	51.9	55.7	58.3	59.5	60.3	61.3	61.6	61.8	62.1	62.2	62.2	62.2	62.2	62.3	62.5
GE 3000	43.8	53.2	56.3	60.1	62.7	63.9	64.8	65.7	66.1	66.3	66.5	66.6	66.6	66.6	66.6	66.7	66.9
GE 2500	45.5	55.6	59.1	63.5	66.3	67.6	68.4	69.4	69.7	69.9	70.2	70.3	70.3	70.3	70.3	70.4	70.6
GE 2000	47.5	58.7	62.6	67.7	71.0	72.6	73.5	74.6	75.0	75.2	75.5	75.6	75.6	75.6	75.6	75.7	75.9
GE 1800	47.8	60.4	64.4	69.8	73.7	74.8	75.7	76.9	77.3	77.7	77.9	78.1	78.1	78.1	78.1	78.2	78.4
GE 1500	48.3	61.4	65.6	71.7	75.1	76.8	77.6	79.1	79.6	80.1	80.3	80.4	80.4	80.4	80.4	80.5	80.8
GE 1200	49.6	63.6	68.1	74.2	77.8	79.5	80.4	82.2	82.6	83.1	83.4	83.5	83.5	83.5	83.5	83.6	83.8
GE 1000	49.8	64.4	69.1	75.8	79.5	81.2	82.5	84.2	84.6	85.2	85.4	85.5	85.5	85.5	85.5	85.6	85.8
GE 900	50.1	65.2	69.9	77.1	80.8	82.5	83.9	85.5	85.9	86.5	86.7	86.8	86.8	86.8	86.8	86.9	87.1
GE 800	50.2	66.1	71.0	78.5	82.4	84.1	85.5	87.2	87.7	88.3	88.5	88.6	88.6	88.6	88.6	88.8	89.0
GE 700	50.4	66.7	71.9	79.8	83.8	85.6	87.0	88.8	89.2	89.8	90.1	90.2	90.2	90.2	90.2	90.3	90.5
GE 600	50.5	67.1	72.4	80.5	85.1	87.2	88.8	90.5	90.9	91.6	91.8	91.9	91.9	91.9	91.9	92.0	92.2
GE 500	50.7	67.7	73.0	81.2	85.8	88.1	89.7	91.8	92.2	93.0	93.3	93.4	93.4	93.4	93.4	93.5	93.7
GE 400	50.7	68.3	73.9	82.3	87.0	89.4	91.1	93.3	93.8	94.6	94.9	95.0	95.0	95.0	95.0	95.1	95.4
GE 300	50.7	68.4	74.3	82.7	87.7	90.3	92.0	94.5	95.0	95.8	96.1	96.2	96.2	96.2	96.2	96.3	96.5
GE 200	50.7	68.4	74.3	82.8	87.7	90.5	92.4	95.1	95.8	96.5	97.1	97.2	97.3	97.3	97.3	97.4	97.6
GE 100	50.7	68.4	74.3	82.8	88.1	91.0	93.3	96.3	97.2	98.1	98.7	98.8	99.7	99.7	99.7	99.8	99.9
GE 0	50.7	68.4	74.3	82.8	88.1	91.0	93.3	96.3	97.2	98.1	98.7	98.9	99.1	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 2100-2300

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	18.7	25.4	26.2	28.5	29.9	31.2	32.3	32.9	33.1	33.1	33.5	33.6	33.7	34.2	34.9
GE 20000	24.1	33.3	34.7	37.4	39.2	40.6	42.1	42.6	42.8	43.1	43.5	43.6	43.8	44.0	44.8
GE 18000	24.2	33.5	34.9	37.6	39.4	40.8	42.3	42.8	43.1	43.1	43.5	43.6	43.8	44.3	45.0
GE 16000	24.2	33.6	35.0	37.7	39.5	40.9	42.4	43.0	43.2	43.2	43.6	43.7	43.9	44.4	45.1
GE 14000	24.9	34.6	36.0	38.7	40.5	41.9	43.4	43.9	44.1	44.1	44.6	44.7	44.9	45.3	46.1
GE 12000	25.9	36.1	37.6	40.3	42.1	43.5	45.0	45.6	45.8	45.8	46.2	46.3	46.5	47.0	47.7
GE 10000	26.9	38.1	39.7	42.4	44.1	46.0	47.5	48.0	48.3	48.3	48.7	48.8	49.0	49.5	50.2
GE 9000	27.4	39.3	41.0	43.8	45.6	47.4	48.9	49.5	49.7	49.7	50.1	50.2	50.4	50.9	51.6
GE 8000	27.9	39.6	41.3	44.1	45.9	47.7	49.2	49.8	50.0	50.0	50.4	50.5	50.8	51.2	52.0
GE 7000	27.9	39.9	41.6	44.5	46.2	48.0	49.6	50.1	50.3	50.3	50.8	50.9	51.1	51.5	52.3
GE 6000	28.9	41.6	43.5	46.3	48.0	49.9	51.6	52.2	52.4	52.4	52.9	52.9	53.1	53.6	54.3
GE 5000	29.9	43.6	45.4	48.5	50.4	52.4	54.1	54.7	54.9	54.9	55.3	55.4	55.6	56.1	56.8
GE 4500	30.6	44.9	46.9	50.0	52.1	54.1	56.2	56.8	57.0	57.0	57.5	57.6	57.8	58.2	59.0
GE 4000	31.6	46.0	48.0	51.3	53.7	55.7	57.8	58.5	58.7	58.7	59.1	59.2	59.4	59.9	60.6
GE 3500	32.2	46.9	49.1	52.4	54.8	56.8	58.9	59.7	59.9	59.9	60.3	60.4	60.6	61.1	61.8
GE 3000	34.5	49.9	52.3	56.0	58.4	60.5	62.7	63.4	63.7	63.7	64.1	64.2	64.4	64.9	65.6
GE 2500	36.0	52.4	55.3	59.0	61.5	63.7	65.9	66.7	66.9	66.9	67.4	67.5	67.7	68.1	68.9
GE 2000	37.7	55.5	58.5	62.6	65.4	67.8	70.3	71.3	71.5	71.6	72.0	72.1	72.3	72.8	73.5
GE 1800	38.4	56.7	59.8	64.0	66.9	69.3	71.8	73.0	73.2	73.4	73.9	74.0	74.2	74.6	75.4
GE 1500	39.0	58.7	61.7	66.1	69.2	71.6	74.2	75.7	75.9	76.1	76.6	76.7	76.9	77.3	78.2
GE 1200	39.8	60.3	63.8	68.3	71.9	74.4	77.0	78.9	79.3	79.6	80.0	80.2	80.4	80.8	81.7
GE 1000	40.6	61.6	65.2	69.8	73.5	76.2	79.0	81.1	81.6	81.9	82.3	82.4	82.6	83.1	83.9
GE 900	40.6	61.7	65.4	70.4	74.1	76.8	79.6	81.8	82.2	82.5	83.0	83.1	83.3	83.7	84.6
GE 800	41.2	62.7	66.4	71.5	75.2	77.9	80.7	82.9	83.3	83.8	84.3	84.4	84.6	85.0	85.9
GE 700	41.9	64.0	67.8	73.0	77.0	80.0	82.9	85.0	85.5	86.0	86.6	86.7	86.9	87.3	88.2
GE 600	42.1	64.5	68.4	74.1	78.5	81.8	84.6	87.2	87.7	88.3	88.8	88.9	89.2	89.6	90.5
GE 500	42.2	65.5	69.4	75.2	79.7	83.1	85.9	88.5	89.0	89.7	90.2	90.3	90.6	91.0	91.9
GE 400	42.2	66.4	70.4	76.4	81.2	84.7	87.6	90.3	90.9	91.5	92.1	92.2	92.4	92.8	93.7
GE 300	42.2	66.6	70.6	76.8	81.9	85.6	88.6	91.5	92.3	93.0	93.5	93.6	93.8	94.3	95.1
GE 200	42.2	66.7	70.7	77.1	82.5	86.3	89.5	92.6	93.4	94.0	94.6	94.7	94.9	95.3	96.2
GE 100	42.2	66.7	70.7	77.2	82.6	86.6	89.7	93.7	94.6	95.4	96.2	96.3	96.6	97.1	98.3
GE 0	42.2	66.7	70.7	77.2	82.6	86.6	89.7	93.7	94.6	95.4	96.3	96.5	96.9	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.0	20.8	21.8	23.4	24.5	25.2	25.8	26.4	26.8	27.1	27.3	27.4	27.6	27.9	28.0	28.9
GE 20000	22.9	29.7	31.2	33.1	34.5	35.2	36.0	36.9	37.2	37.6	37.8	37.9	38.2	38.6	38.7	39.6
GE 18000	23.1	29.8	31.4	33.3	34.7	35.4	36.2	37.1	37.4	37.8	38.0	38.1	38.4	38.8	38.9	39.8
GE 16000	23.2	30.0	31.5	33.4	34.8	35.5	36.3	37.2	37.6	37.9	38.1	38.2	38.5	38.9	39.0	39.9
GE 14000	24.0	31.0	32.6	34.5	36.0	36.7	37.5	38.4	38.7	39.1	39.3	39.4	39.6	40.1	40.1	41.1
GE 12000	25.2	32.6	34.2	36.1	37.6	38.3	39.2	40.1	40.4	40.8	41.0	41.1	41.4	41.8	41.9	42.8
GE 10000	26.9	34.7	36.4	38.5	40.1	40.9	41.8	42.7	43.0	43.4	43.6	43.8	44.0	44.4	44.5	45.4
GE 9000	27.9	36.0	37.8	40.0	41.6	42.4	43.3	44.3	44.6	45.0	45.2	45.4	45.6	46.0	46.1	47.0
GE 8000	28.2	36.4	38.2	40.4	42.0	42.9	43.8	44.7	45.1	45.5	45.7	45.8	46.1	46.5	46.6	47.5
GE 7000	28.3	36.8	38.5	40.8	42.5	43.3	44.2	45.2	45.6	45.9	46.1	46.3	46.5	47.0	47.1	48.0
GE 6000	29.0	37.9	39.7	42.0	43.7	44.5	45.5	46.5	46.8	47.2	47.4	47.6	47.8	48.3	48.4	49.3
GE 5000	30.8	40.6	42.6	45.0	46.7	47.6	48.7	49.7	50.1	50.5	50.7	50.9	51.2	51.6	51.7	52.7
GE 4500	31.9	42.1	44.1	46.8	48.6	49.5	50.6	51.7	52.1	52.5	52.7	52.9	53.1	53.6	53.7	54.7
GE 4000	33.4	43.9	45.9	48.7	50.7	51.6	52.7	53.9	54.3	54.7	54.9	55.0	55.3	55.8	55.9	56.9
GE 3500	34.3	45.1	47.2	50.0	52.1	53.0	54.1	55.3	55.7	56.1	56.3	56.5	56.7	57.2	57.3	58.3
GE 3000	36.6	48.0	50.2	53.2	55.3	56.3	57.4	58.6	59.0	59.4	59.6	59.7	60.0	60.5	60.6	61.6
GE 2500	38.7	50.8	53.2	56.5	58.8	59.8	61.0	62.2	62.6	63.0	63.2	63.4	63.7	64.2	64.3	65.2
GE 2000	41.2	54.5	57.2	60.8	63.5	64.7	66.0	67.4	67.9	68.3	68.5	68.7	69.0	69.5	69.6	70.6
GE 1800	42.2	56.0	58.8	62.6	65.4	66.7	68.0	69.6	70.0	70.5	70.8	70.9	71.2	71.7	71.9	72.9
GE 1500	43.4	58.2	61.1	65.3	68.3	69.6	70.9	72.7	73.2	73.7	74.0	74.1	74.4	74.9	75.1	76.1
GE 1200	45.1	61.0	64.3	68.8	72.0	73.4	74.8	76.8	77.3	77.9	78.1	78.3	78.6	79.1	79.2	80.3
GE 1000	45.7	62.3	65.6	70.4	73.9	75.5	76.9	79.0	79.5	80.1	80.4	80.6	80.9	81.4	81.5	82.6
GE 900	46.1	63.0	66.5	71.4	75.0	76.6	78.1	80.3	80.9	81.5	81.7	81.9	82.2	82.7	82.9	83.9
GE 800	46.5	64.2	67.8	72.9	76.7	78.4	79.9	82.1	82.7	83.3	83.6	83.7	84.1	84.6	84.7	85.7
GE 700	46.8	65.0	68.8	74.2	78.2	80.0	81.6	83.9	84.5	85.1	85.4	85.5	85.9	86.4	86.5	87.5
GE 600	47.1	65.8	69.7	75.4	79.8	81.7	83.4	85.9	86.5	87.1	87.4	87.6	88.0	88.5	88.6	89.6
GE 500	47.2	66.4	70.5	76.3	80.8	82.8	84.6	87.2	87.8	88.5	88.8	89.0	89.3	89.9	90.0	91.0
GE 400	47.3	66.9	71.1	77.1	81.8	84.0	85.9	88.6	89.3	90.1	90.3	90.5	90.9	91.4	91.5	92.6
GE 300	47.3	67.1	71.5	77.6	82.5	85.0	87.1	90.0	90.8	91.6	91.9	92.1	92.4	93.0	93.1	94.1
GE 200	47.3	67.2	71.6	77.9	83.1	85.7	88.0	91.2	92.1	93.0	93.3	93.5	93.9	94.5	94.6	95.7
GE 100	47.3	67.2	71.6	77.9	83.3	86.0	88.4	92.0	93.0	94.1	94.5	94.7	95.2	95.9	96.1	97.6
GE 0	47.3	67.2	71.6	77.9	83.3	86.0	88.4	92.0	93.0	94.1	94.6	94.9	95.5	96.5	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7378

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	19.0	25.4	26.3	27.4	28.5	29.5	30.9	31.8	32.3	32.7	32.8	32.8	33.0	33.4	33.5	35.0
GE 20000	22.3	29.6	31.3	32.4	33.9	34.9	36.4	37.5	38.1	38.5	39.7	38.7	38.9	39.3	39.6	41.1
GE 18000	22.5	29.7	31.4	32.5	34.0	35.0	36.5	37.7	38.2	38.7	39.8	38.8	39.0	39.4	39.7	41.2
GE 16000	22.5	29.7	31.4	32.5	34.0	35.0	36.5	37.7	38.2	38.7	39.8	38.8	39.0	39.4	39.7	41.2
GE 14000	22.8	30.1	31.6	33.0	34.4	35.4	37.0	38.1	38.7	39.1	39.2	39.2	39.4	39.9	40.1	41.7
GE 12000	23.1	30.6	32.5	33.6	35.1	36.1	37.7	38.8	39.3	39.8	39.9	39.9	40.1	40.6	40.8	42.3
GE 10000	23.9	31.8	33.7	34.9	36.5	37.7	39.4	40.9	41.5	41.9	42.0	42.0	42.2	42.7	42.9	44.5
GE 9000	24.4	32.4	34.4	35.8	37.4	38.7	40.4	42.0	42.6	43.0	43.1	43.1	43.4	43.8	44.0	45.6
GE 8000	24.5	32.5	34.5	35.9	37.5	38.8	40.6	42.1	42.7	43.1	43.2	43.2	43.5	43.9	44.1	45.7
GE 7000	24.9	33.1	35.1	36.4	38.1	39.3	41.1	42.7	43.2	43.7	43.8	43.8	44.0	44.5	44.7	46.3
GE 6000	25.5	34.1	36.1	37.5	39.3	40.6	42.3	43.9	44.5	44.9	45.0	45.0	45.3	45.7	45.9	47.5
GE 5000	27.3	36.5	38.5	40.2	42.2	43.5	45.3	46.8	47.4	47.8	47.9	47.9	48.2	48.6	48.8	50.4
GE 4500	28.6	38.1	40.2	42.0	44.0	45.3	47.2	48.8	49.4	49.8	49.9	49.9	50.2	50.6	50.8	52.4
GE 4000	29.7	39.4	41.6	43.5	45.5	46.7	48.6	50.3	50.9	51.4	51.5	51.5	51.7	52.2	52.4	54.0
GE 3500	30.7	40.6	42.8	45.4	47.5	48.9	50.8	52.5	53.3	53.7	53.9	53.9	54.1	54.5	54.7	56.3
GE 3000	33.2	43.6	45.9	49.1	51.7	53.3	55.2	57.0	57.8	58.3	58.4	58.4	58.7	59.1	59.3	60.9
GE 2500	36.0	46.8	49.4	52.6	55.4	57.0	59.2	61.0	61.8	62.3	62.5	62.5	62.7	63.1	63.4	64.9
GE 2000	37.9	50.5	53.6	57.2	60.3	61.9	64.1	65.9	66.7	67.4	67.5	67.5	67.7	68.2	68.4	69.9
GE 1800	38.4	51.4	54.6	58.2	61.3	62.9	65.1	66.9	67.8	68.5	68.6	68.6	68.8	69.3	69.5	71.1
GE 1500	39.1	53.2	56.4	60.1	63.2	64.8	67.0	68.8	69.7	70.4	70.6	70.6	70.8	71.3	71.5	73.1
GE 1200	40.4	56.0	59.4	63.5	66.7	68.4	70.6	72.4	73.4	74.1	74.3	74.3	74.5	75.0	75.2	76.8
GE 1000	41.6	57.9	61.5	65.6	69.1	70.7	73.0	74.9	75.9	76.5	76.8	76.8	77.0	77.5	77.8	79.4
GE 900	41.9	58.5	62.1	66.6	70.2	71.8	74.1	76.0	77.0	77.7	77.9	77.9	78.1	78.7	78.9	80.6
GE 800	42.1	59.1	62.8	67.6	71.4	73.1	75.3	77.4	78.4	79.1	79.3	79.3	79.6	80.1	80.3	82.1
GE 700	42.3	60.3	64.4	69.7	73.7	75.4	77.7	80.0	81.0	81.8	82.0	82.0	82.2	82.8	83.0	84.9
GE 600	42.5	60.9	65.4	71.4	75.9	77.5	79.9	82.2	83.4	84.1	84.4	84.4	84.6	85.1	85.4	87.3
GE 500	42.5	61.3	66.1	72.8	77.5	79.4	81.9	84.6	85.7	86.5	86.7	86.7	86.9	87.5	87.7	89.6
GE 400	42.6	61.9	67.2	74.1	79.2	81.2	83.9	86.6	87.7	88.6	88.8	88.8	89.1	89.6	89.8	91.7
GE 300	42.6	62.1	67.4	74.6	80.1	82.6	85.3	88.2	89.4	90.3	90.6	90.6	90.8	91.4	91.6	93.5
GE 200	42.6	62.5	67.7	75.3	81.0	83.5	86.4	89.5	90.7	91.6	92.0	92.0	92.2	92.7	93.0	94.9
GE 100	42.6	62.5	67.7	75.3	81.0	83.6	86.6	90.1	91.3	92.5	92.8	92.8	93.3	94.1	94.3	96.3
GE 0	42.6	62.5	67.7	75.3	81.1	83.7	86.7	90.2	91.4	92.7	93.2	93.4	94.0	95.4	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 895



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0		
NO CEIL	19.6	24.6	25.8	26.8	27.8	28.3	29.4	30.7	30.8	31.1	31.3	31.3	31.4	32.1	32.4	34.2		
GE 20000	24.0	29.7	31.0	32.8	33.8	34.5	35.5	36.9	37.1	37.4	37.5	37.5	37.9	38.7	39.0	40.7		
GE 18000	24.0	29.7	31.0	32.8	33.8	34.5	35.5	36.9	37.1	37.4	37.5	37.5	37.9	38.7	39.0	40.7		
GE 16000	24.0	29.7	31.0	32.8	33.8	34.5	35.5	36.9	37.1	37.4	37.5	37.5	37.9	38.8	39.1	40.8		
GE 14000	24.1	29.9	31.3	33.0	34.0	34.7	35.7	37.2	37.3	37.6	37.7	37.7	38.2	39.1	39.3	41.1		
GE 12000	24.8	30.7	32.1	34.0	35.0	35.8	36.9	38.5	38.6	39.0	39.1	39.1	39.5	40.4	40.6	42.4		
GE 10000	25.4	31.4	32.8	35.0	36.0	36.9	38.2	40.0	40.1	40.4	40.5	40.5	41.0	41.9	42.1	43.9		
GE 9000	25.7	31.8	33.3	35.6	36.6	37.5	38.7	40.6	40.7	41.1	41.2	41.2	41.6	42.5	42.7	44.5		
GE 8000	25.9	32.0	33.6	36.0	37.1	37.9	39.2	41.1	41.2	41.5	41.6	41.6	42.1	43.0	43.2	45.0		
GE 7000	26.6	32.9	34.5	36.9	37.9	38.8	40.1	42.0	42.2	42.5	42.6	42.6	43.1	44.0	44.2	46.0		
GE 6000	27.3	33.7	35.3	37.7	38.7	39.6	40.8	42.7	43.0	43.3	43.4	43.4	43.9	44.8	45.0	46.8		
GE 5000	28.7	35.2	36.8	39.4	40.4	41.3	42.5	44.4	44.6	45.0	45.1	45.1	45.5	46.4	46.7	48.4		
GE 4500	29.0	35.8	37.6	40.4	41.4	42.3	43.5	45.4	45.8	46.2	46.4	46.4	46.9	47.8	48.0	49.8		
GE 4000	29.8	36.8	38.7	41.5	42.5	43.8	45.0	46.9	47.2	47.8	48.0	48.0	48.5	49.4	49.7	51.5		
GE 3500	31.3	38.3	40.4	43.5	44.5	45.8	47.0	49.0	49.3	49.9	50.1	50.1	50.7	51.6	51.8	53.6		
GE 3000	34.0	41.5	44.0	47.7	48.8	50.0	51.3	53.6	53.9	54.5	54.7	54.7	55.2	56.1	56.4	58.1		
GE 2500	36.8	45.0	48.1	51.8	52.9	54.1	55.7	58.1	58.5	59.0	59.3	59.3	59.8	60.7	60.9	62.7		
GE 2000	39.5	49.4	53.1	57.1	58.4	59.9	61.5	64.0	64.3	64.8	65.2	65.2	65.7	66.6	66.9	68.6		
GE 1800	40.1	50.7	54.6	58.7	59.9	61.6	63.2	65.7	66.1	66.6	67.0	67.0	67.5	68.4	68.6	70.4		
GE 1500	41.7	52.9	57.0	61.3	62.5	64.3	65.8	68.4	68.8	69.4	69.8	69.9	70.4	71.5	71.8	73.5		
GE 1200	43.2	56.0	60.4	64.8	66.1	67.9	69.4	72.0	72.3	73.0	73.3	73.4	74.0	75.1	75.3	77.1		
GE 1000	43.6	56.8	61.6	66.4	67.7	69.6	71.2	73.8	74.1	74.8	75.1	75.2	75.8	76.9	77.2	79.0		
GE 900	43.9	57.6	62.7	67.6	69.2	71.2	72.8	75.3	75.7	76.3	76.7	76.8	77.3	78.5	78.8	80.6		
GE 800	44.2	58.5	63.7	68.9	70.6	72.7	74.2	76.8	77.1	77.8	78.1	78.2	78.8	79.9	80.2	82.0		
GE 700	44.4	59.2	64.8	70.4	72.5	74.8	76.5	79.2	79.7	80.4	80.7	80.8	81.4	82.5	82.8	84.6		
GE 600	44.6	60.2	66.1	71.7	73.9	76.2	78.0	80.9	81.4	82.5	82.9	83.1	83.7	84.8	85.2	86.9		
GE 500	44.9	60.8	67.2	73.4	75.9	78.5	80.5	83.5	83.9	85.2	85.6	85.8	86.4	87.5	87.8	89.6		
GE 400	44.9	61.2	67.5	74.0	76.6	79.4	81.5	84.7	85.3	86.5	86.9	87.2	87.7	88.8	89.2	91.0		
GE 300	44.9	61.3	67.7	74.8	77.8	80.7	83.1	86.4	86.9	88.2	88.6	89.0	89.5	90.6	91.0	92.7		
GE 200	44.9	61.3	67.9	75.2	78.4	81.5	84.2	87.5	88.1	89.3	89.7	90.1	90.6	91.7	92.1	93.9		
GE 100	44.9	61.3	67.9	75.4	78.7	81.8	84.5	87.9	88.5	90.0	90.5	90.8	91.5	92.6	93.0	95.5		
GE 0	44.9	61.3	67.9	75.4	78.7	81.8	84.5	87.9	88.5	90.1	90.6	91.1	92.0	93.8	94.4	100.0		

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.0	20.3	21.1	22.3	22.6	23.0	23.3	24.2	24.6	24.6	24.6	24.7	25.1	25.9	26.2	27.8
GE 20000	21.9	25.9	27.0	28.9	29.6	29.9	30.2	31.7	32.4	32.6	32.7	32.8	33.1	34.3	34.8	36.6
GE 18000	22.2	26.1	27.2	29.1	29.8	30.1	30.5	31.9	32.6	32.8	32.9	33.0	33.4	34.5	35.1	36.8
GE 16000	22.2	26.1	27.2	29.1	29.8	30.1	30.5	31.9	32.6	32.8	32.9	33.0	33.4	34.5	35.1	36.8
GE 14000	22.5	26.4	27.8	29.7	30.3	30.7	31.0	32.5	33.1	33.4	33.5	33.6	33.9	35.1	35.6	37.4
GE 12000	22.8	27.0	28.4	30.5	31.1	31.5	31.9	33.4	34.0	34.3	34.4	34.5	34.8	35.9	36.5	38.3
GE 10000	24.5	28.9	30.7	32.7	33.5	33.9	34.5	36.1	36.7	37.2	37.3	37.4	37.7	38.9	39.4	41.2
GE 9000	25.6	30.0	31.8	33.9	34.7	35.2	35.7	37.3	38.0	38.4	38.5	38.6	39.0	40.1	40.6	42.4
GE 8000	26.2	30.6	32.4	34.5	35.3	35.7	36.3	38.0	38.6	39.1	39.2	39.3	39.6	40.8	41.3	43.1
GE 7000	26.5	30.9	32.7	34.8	35.7	36.2	36.7	38.4	39.1	39.5	39.6	39.8	40.1	41.2	41.8	43.6
GE 6000	27.7	32.1	33.9	36.3	37.4	38.0	38.5	40.2	40.9	41.3	41.4	41.5	41.9	43.0	43.6	45.4
GE 5000	29.3	34.2	36.2	38.5	39.8	40.3	40.9	42.6	43.2	43.7	43.8	43.9	44.2	45.5	46.0	47.9
GE 4500	30.3	35.4	37.4	39.8	41.0	41.5	42.1	43.8	44.6	45.0	45.1	45.2	45.6	46.8	47.4	49.3
GE 4000	31.2	37.0	39.1	41.5	42.8	43.3	43.9	45.7	46.5	46.9	47.0	47.1	47.5	48.7	49.3	51.2
GE 3500	31.4	37.5	39.9	42.3	43.8	44.3	45.0	47.1	47.9	48.4	48.5	48.6	48.9	50.2	50.7	52.6
GE 3000	33.3	40.2	42.8	45.6	47.0	47.6	48.3	50.5	51.3	51.7	51.8	52.0	52.3	53.5	54.1	56.0
GE 2500	36.5	44.3	47.0	50.3	51.7	52.4	53.1	55.3	56.1	56.6	56.7	56.8	57.1	58.3	58.9	60.8
GE 2000	38.7	47.8	51.2	54.8	56.3	57.1	57.8	60.0	60.8	61.6	61.7	61.8	62.2	63.5	64.1	66.0
GE 1800	39.8	49.3	52.9	56.4	58.2	59.0	59.7	61.9	62.7	63.6	63.7	63.8	64.2	65.5	66.1	68.1
GE 1500	41.8	51.7	55.4	59.2	61.0	61.8	62.6	64.9	65.7	66.6	66.7	66.9	67.2	68.6	69.2	71.2
GE 1200	44.7	55.9	59.7	63.7	65.7	66.5	67.4	69.8	70.5	71.6	71.7	71.8	72.1	73.6	74.1	76.1
GE 1000	45.5	57.6	61.5	66.0	68.4	69.4	70.3	72.8	73.6	74.6	74.7	74.8	75.1	76.6	77.2	79.2
GE 900	45.8	57.9	61.9	66.5	69.1	70.1	71.0	73.5	74.2	75.3	75.4	75.5	75.8	77.3	77.8	79.8
GE 800	46.0	58.9	63.0	67.7	70.5	71.6	72.6	75.5	76.3	77.3	77.4	77.5	77.8	79.3	79.8	81.9
GE 700	46.2	60.0	64.2	69.3	72.1	73.2	74.4	77.3	78.2	79.2	79.3	79.4	79.7	81.2	81.7	83.8
GE 600	46.4	60.7	64.8	70.1	72.9	74.0	75.3	78.5	79.5	80.5	80.6	80.7	81.1	82.5	83.1	85.1
GE 500	46.6	61.3	65.5	70.9	74.1	75.6	76.9	80.5	81.5	82.6	82.8	82.9	83.2	84.7	85.2	87.2
GE 400	46.6	61.6	66.2	72.0	75.8	77.7	79.3	83.3	84.4	85.6	85.7	85.8	86.1	87.6	88.1	90.1
GE 300	46.6	62.0	66.6	72.8	76.9	78.8	80.6	84.9	86.0	87.1	87.2	87.3	87.7	89.1	89.7	91.7
GE 200	46.6	62.0	66.6	72.8	77.3	79.4	81.2	85.6	86.8	88.1	88.2	88.5	88.8	90.3	90.8	92.8
GE 100	46.6	62.0	66.6	72.8	77.3	79.5	81.5	86.0	87.3	88.7	88.9	89.4	89.8	91.4	91.9	94.4
GE 0	46.6	62.0	66.6	72.8	77.3	79.6	81.6	86.1	87.5	89.0	89.2	89.7	90.4	92.8	93.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.9	20.9	21.3	22.4	23.2	24.0	24.9	25.4	25.6	25.8	25.8	25.8	25.8	26.1	26.2	26.9
GE 20000	24.1	30.4	30.9	32.6	33.7	34.6	35.9	36.8	37.0	37.2	37.2	37.2	37.3	37.7	37.8	38.6
GE 18000	24.2	30.5	31.1	32.7	33.9	34.8	36.0	36.9	37.1	37.3	37.3	37.3	37.4	37.8	37.9	38.7
GE 16000	24.2	30.7	31.3	33.0	34.1	35.0	36.2	37.1	37.3	37.6	37.6	37.6	37.7	38.0	38.1	38.9
GE 14000	24.6	31.2	31.8	33.6	34.9	35.8	37.0	37.9	38.1	38.3	38.3	38.3	38.5	38.8	38.9	39.7
GE 12000	25.7	32.3	33.0	34.9	36.2	37.2	38.5	39.5	39.7	39.9	39.9	39.9	40.0	40.4	40.5	41.3
GE 10000	27.1	34.0	34.8	36.7	38.0	39.0	40.2	41.3	41.5	41.7	41.7	41.7	41.8	42.2	42.3	43.0
GE 9000	27.9	34.9	35.8	37.7	39.0	40.0	41.3	42.3	42.5	42.7	42.7	42.7	42.8	43.2	43.3	44.1
GE 8000	28.4	35.4	36.3	38.2	39.6	40.6	41.8	42.8	43.0	43.3	43.3	43.3	43.4	43.7	43.8	44.6
GE 7000	28.6	35.8	36.7	38.6	39.9	40.9	42.2	43.3	43.5	43.8	43.8	43.8	43.9	44.3	44.4	45.2
GE 6000	29.6	36.9	37.9	39.8	41.1	42.2	43.4	44.5	44.7	45.1	45.1	45.1	45.2	45.5	45.6	46.4
GE 5000	30.5	38.6	39.6	41.6	42.9	43.9	45.2	46.3	46.5	46.9	46.9	46.9	47.0	47.3	47.4	48.2
GE 4500	31.4	40.2	41.3	43.5	45.0	46.0	47.2	48.3	48.5	48.9	48.9	48.9	49.0	49.3	49.4	50.2
GE 4000	32.6	42.4	43.6	46.0	47.5	48.7	49.9	51.2	51.5	51.9	51.9	51.9	52.0	52.4	52.5	53.3
GE 3500	34.1	44.5	45.7	48.1	49.7	50.8	52.0	53.4	53.6	54.0	54.0	54.0	54.1	54.5	54.6	55.4
GE 3000	36.7	47.6	49.0	51.5	53.1	54.4	55.6	57.1	57.3	57.7	57.7	57.7	57.8	58.2	58.3	59.1
GE 2500	38.3	50.2	51.7	54.6	56.5	58.0	59.2	60.7	60.9	61.3	61.3	61.3	61.4	61.8	61.9	62.7
GE 2000	41.1	54.3	55.9	59.3	61.2	62.7	64.0	65.8	66.0	66.5	66.5	66.6	66.7	67.0	67.2	67.9
GE 1800	42.3	55.7	57.5	61.1	63.0	64.5	65.9	67.7	67.9	68.4	68.4	68.5	68.6	68.9	69.1	69.8
GE 1500	44.2	58.1	60.2	64.1	66.0	67.5	68.9	70.7	71.0	71.4	71.4	71.5	71.6	72.0	72.1	72.9
GE 1200	46.5	61.5	64.0	68.6	71.0	72.4	73.9	75.9	76.1	76.7	76.7	76.8	76.9	77.2	77.4	78.1
GE 1000	47.3	62.8	65.4	70.1	72.4	73.9	75.4	77.5	77.7	78.3	78.3	78.4	78.5	78.8	78.9	79.7
GE 900	47.8	63.8	66.5	71.4	74.0	75.6	77.2	79.5	79.8	80.4	80.4	80.5	80.6	80.9	81.1	81.8
GE 800	48.0	64.7	67.6	72.9	75.7	77.5	79.4	81.7	82.1	82.6	82.6	82.7	82.8	83.2	83.3	84.1
GE 700	48.3	65.5	68.7	74.2	77.0	78.8	80.7	83.2	83.5	84.1	84.1	84.2	84.3	84.6	84.8	85.5
GE 600	48.4	66.7	70.1	75.8	79.0	81.1	83.1	85.7	86.1	86.8	86.8	86.9	87.0	87.3	87.4	88.2
GE 500	48.5	67.2	70.6	76.5	80.2	82.2	84.2	87.0	87.4	88.1	88.1	88.2	88.3	88.7	88.8	89.6
GE 400	48.5	67.3	70.9	76.7	80.9	83.2	85.2	88.0	88.6	89.2	89.2	89.3	89.6	89.9	90.0	90.8
GE 300	48.7	67.6	71.3	77.1	81.5	84.0	86.1	89.1	89.7	90.4	90.4	90.5	90.7	91.0	91.1	91.9
GE 200	48.7	67.6	71.4	77.2	82.0	84.5	86.9	90.2	91.1	91.9	92.2	92.3	92.5	92.8	92.9	93.7
GE 100	48.7	67.6	71.4	77.4	82.3	84.9	87.4	90.8	91.9	93.0	93.5	93.7	93.9	94.4	94.6	96.2
GE 0	48.7	67.6	71.4	77.4	82.3	84.9	87.4	90.8	91.9	93.0	93.5	93.8	94.4	95.0	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		18.2	21.3	21.4	22.6	23.0	23.1	23.1	23.5	23.5	23.5	23.5	23.6	23.7	23.9	23.9	24.1
GE 20000		27.5	33.7	34.0	35.4	36.4	36.5	36.6	36.9	36.9	36.9	36.9	37.0	37.1	37.4	37.4	37.6
GE 18000		27.8	34.0	34.3	35.7	36.7	36.8	36.9	37.3	37.3	37.3	37.3	37.4	37.5	37.7	37.7	37.9
GE 16000		27.8	34.1	34.5	35.8	36.8	36.9	37.0	37.4	37.4	37.4	37.4	37.5	37.6	37.8	37.8	38.0
GE 14000		28.6	35.1	35.5	36.8	37.8	37.9	38.0	38.4	38.4	38.4	38.4	38.5	38.6	38.8	38.8	39.1
GE 12000		29.5	36.3	36.6	37.9	39.1	39.2	39.3	39.6	39.6	39.6	39.6	39.7	39.8	40.1	40.1	40.3
GE 10000		31.1	38.5	38.8	40.3	41.5	41.6	41.9	42.2	42.2	42.2	42.2	42.3	42.4	42.6	42.6	43.0
GE 9000		31.8	39.4	39.7	41.3	42.5	42.6	43.0	43.3	43.3	43.3	43.3	43.4	43.5	43.8	43.8	44.1
GE 8000		32.1	39.7	40.1	41.6	42.9	43.0	43.3	43.7	43.7	43.7	43.7	43.8	43.9	44.1	44.1	44.4
GE 7000		32.4	40.2	40.5	42.1	43.3	43.4	43.8	44.1	44.1	44.2	44.2	44.3	44.4	44.7	44.7	45.0
GE 6000		34.1	42.0	42.3	43.4	45.1	45.2	45.6	45.9	45.9	46.0	46.0	46.1	46.2	46.5	46.5	46.8
GE 5000		35.2	44.2	44.6	46.1	47.4	47.5	47.8	48.4	48.4	48.5	48.5	48.6	48.7	48.9	48.9	49.3
GE 4500		37.7	47.3	47.7	49.3	50.6	50.7	51.1	51.6	51.6	51.7	51.7	51.9	52.0	52.2	52.2	52.5
GE 4000		40.0	50.1	50.5	52.2	53.6	53.8	54.1	54.7	54.7	54.8	54.8	54.9	55.0	55.2	55.2	55.6
GE 3500		40.5	50.7	51.2	53.0	54.4	54.5	54.9	55.4	55.4	55.6	55.6	55.7	55.8	56.0	56.0	56.3
GE 3000		43.1	53.8	54.5	56.6	58.0	58.1	58.5	59.0	59.0	59.1	59.1	59.3	59.4	59.6	59.6	59.9
GE 2500		45.8	57.5	58.4	60.5	62.0	62.1	62.4	63.1	63.1	63.2	63.2	63.3	63.4	63.6	63.6	64.0
GE 2000		49.3	62.5	63.4	65.8	67.6	67.7	68.1	68.9	68.9	69.0	69.0	69.1	69.2	69.5	69.5	69.8
GE 1800		50.6	64.5	65.4	68.0	69.9	70.1	70.7	71.5	71.5	71.6	71.6	71.7	71.8	72.1	72.1	72.4
GE 1500		51.7	66.4	67.5	70.1	72.1	72.3	73.1	73.8	73.8	74.0	74.0	74.1	74.2	74.4	74.4	74.7
GE 1200		54.2	70.8	72.3	75.5	77.8	78.0	79.0	79.8	79.8	79.9	79.9	80.0	80.1	80.4	80.5	80.8
GE 1000		54.7	72.6	74.3	77.9	80.6	80.8	81.8	82.7	82.7	82.8	82.8	82.9	83.1	83.3	83.4	83.7
GE 900		54.9	73.0	74.6	78.6	81.5	81.7	82.7	83.7	83.7	83.8	83.8	84.0	84.1	84.3	84.4	84.7
GE 800		55.3	74.3	76.3	80.5	83.6	83.8	84.8	85.9	86.0	86.1	86.1	86.2	86.3	86.5	86.6	87.0
GE 700		55.9	75.9	78.1	82.4	86.0	86.3	87.3	88.3	88.4	88.6	88.6	88.7	88.8	89.0	89.1	89.5
GE 600		56.3	77.0	79.3	83.6	87.4	87.9	89.0	90.2	90.3	90.5	90.5	90.6	90.7	90.9	91.0	91.4
GE 500		56.6	77.8	80.2	84.6	88.7	89.1	90.5	92.0	92.1	92.3	92.3	92.4	92.5	92.7	92.8	93.2
GE 400		56.6	78.1	80.6	85.0	89.2	89.9	91.6	93.5	93.7	93.8	93.8	93.9	94.1	94.3	94.4	94.7
GE 300		56.6	78.1	80.6	85.1	89.5	90.1	91.9	93.9	94.2	94.3	94.3	94.4	94.5	94.7	94.8	95.2
GE 200		56.6	78.1	80.6	85.2	89.8	90.5	92.5	94.6	95.2	95.7	95.7	96.0	96.1	96.3	96.4	96.9
GE 100		56.6	78.1	80.6	85.2	89.9	90.6	92.6	94.7	95.3	96.2	96.2	96.5	97.1	97.5	97.6	98.7
GE 0		56.6	78.1	80.6	85.2	89.9	90.6	92.6	94.7	95.3	96.2	96.2	96.5	97.2	97.9	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMME DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 44	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	19.0	21.4	22.4	23.3	23.6	23.7	23.9	24.0	24.1	24.2	24.3	24.3	24.3	24.3	24.3	24.5
GE 20000	26.0	31.2	32.6	34.0	34.6	34.7	34.8	34.9	35.3	35.4	35.5	35.5	35.5	35.5	35.5	35.7
GE 18000	26.1	31.5	32.8	34.3	34.4	34.9	35.1	35.2	35.5	35.6	35.7	35.7	35.7	35.7	35.7	35.9
GE 16000	26.2	31.6	32.9	34.4	34.9	35.1	35.2	35.3	35.6	35.7	35.8	35.8	35.8	35.8	35.8	36.1
GE 14000	27.1	32.6	34.0	35.5	36.1	36.2	36.3	36.4	36.7	36.8	37.0	37.0	37.0	37.0	37.0	37.2
GE 12000	27.9	33.8	35.4	37.2	37.8	38.0	38.1	38.2	38.5	38.6	38.7	38.7	38.9	38.9	38.9	39.1
GE 10000	29.5	35.4	37.0	38.9	39.9	40.1	40.2	40.3	40.6	40.8	40.9	40.9	41.0	41.1	41.1	41.3
GE 9000	30.2	36.7	38.4	40.5	41.7	41.9	42.0	42.1	42.4	42.6	42.7	42.7	42.8	42.9	42.9	43.1
GE 8000	30.7	37.2	38.9	41.0	42.1	42.3	42.4	42.6	42.9	43.0	43.1	43.1	43.2	43.3	43.3	43.6
GE 7000	30.8	37.3	39.0	41.2	42.3	42.6	42.7	42.8	43.1	43.2	43.3	43.3	43.4	43.6	43.6	43.8
GE 6000	31.1	38.1	39.8	42.0	43.2	43.4	43.6	43.7	44.0	44.1	44.2	44.2	44.3	44.5	44.5	44.7
GE 5000	32.3	40.1	41.8	44.0	45.7	45.5	45.6	45.7	46.0	46.1	46.2	46.2	46.4	46.5	46.5	46.7
GE 4500	34.2	42.6	44.2	46.5	47.7	47.9	48.0	48.3	48.6	48.7	48.8	48.8	48.9	49.0	49.0	49.3
GE 4000	36.3	45.5	47.3	49.6	51.1	51.3	51.4	51.6	52.0	52.1	52.2	52.2	52.3	52.4	52.4	52.6
GE 3500	37.5	47.0	48.9	51.4	52.9	53.1	53.2	53.5	54.0	54.3	54.4	54.4	54.5	54.6	54.6	54.9
GE 3000	40.0	50.3	52.5	55.3	56.9	57.1	57.2	57.7	58.1	58.5	58.6	58.6	58.7	58.8	58.8	59.0
GE 2500	42.7	54.8	57.2	60.1	61.9	62.2	62.4	62.9	63.4	63.7	63.8	63.8	63.9	64.1	64.1	64.3
GE 2000	45.0	58.7	61.3	64.2	66.2	66.5	66.9	67.9	68.4	68.9	69.0	69.0	69.1	69.2	69.2	69.4
GE 1800	46.1	60.1	62.8	66.0	68.1	68.5	69.0	70.0	70.7	71.1	71.2	71.2	71.3	71.4	71.4	71.7
GE 1500	47.8	62.7	65.5	68.8	71.2	71.7	72.2	73.2	73.9	74.4	74.5	74.5	74.6	74.7	74.7	74.9
GE 1200	47.9	66.5	69.5	73.2	75.8	76.5	77.2	78.2	78.9	79.4	79.5	79.5	79.6	79.7	79.7	80.0
GE 1000	51.2	69.2	72.7	76.9	79.7	80.4	81.1	82.4	83.4	83.9	84.0	84.0	84.1	84.2	84.2	84.4
GE 900	51.4	70.0	74.0	78.6	81.4	82.2	83.0	84.3	85.3	85.8	85.9	85.9	86.0	86.1	86.1	86.3
GE 800	51.4	70.8	74.9	80.1	83.2	84.0	84.8	86.3	87.3	87.8	87.9	87.9	88.0	88.1	88.1	88.4
GE 700	51.7	71.4	75.9	81.1	84.4	85.3	86.1	87.9	88.9	89.4	89.5	89.5	89.6	89.7	89.7	89.9
GE 600	51.4	71.9	76.8	82.3	85.8	87.0	87.9	89.7	90.9	91.4	91.5	91.5	91.6	91.7	91.7	91.9
GE 500	51.8	72.1	77.4	83.1	87.0	88.4	89.2	91.4	92.6	93.1	93.2	93.2	93.3	93.4	93.4	93.6
GE 400	51.8	72.5	77.7	83.7	87.9	89.5	90.5	92.7	94.1	94.5	94.6	94.6	94.7	94.8	94.8	95.1
GE 300	51.8	72.6	77.8	84.0	88.5	90.1	91.3	93.8	95.3	95.7	95.9	95.9	96.0	96.1	96.1	96.3
GE 200	51.8	72.6	77.8	84.0	88.5	90.3	91.4	94.3	95.7	96.5	96.6	96.6	96.8	96.9	96.9	97.1
GE 100	51.8	72.6	77.8	84.0	88.5	90.5	91.6	94.7	96.4	97.2	97.3	97.3	97.4	97.5	97.5	97.8
GE 0	51.8	72.6	77.8	84.0	88.5	90.5	91.6	94.7	96.4	97.2	97.3	97.5	97.8	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(EST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.7	22.8	23.7	25.2	25.5	26.3	26.7	26.9	27.1	27.4	27.5	27.5	27.8	27.8	27.9	28.0
GE 20000	23.5	30.8	32.1	33.8	34.8	35.6	35.9	36.2	36.5	36.8	37.0	37.0	37.2	37.2	37.3	37.4
GE 18000	23.5	30.8	32.1	33.8	34.8	35.6	35.9	36.2	36.5	36.8	37.0	37.0	37.2	37.2	37.3	37.4
GE 16000	23.5	30.8	32.1	33.8	34.8	35.6	35.9	36.2	36.5	36.8	37.0	37.0	37.2	37.2	37.3	37.4
GE 14000	24.5	31.8	33.4	35.3	36.1	37.1	37.4	37.6	38.0	38.3	38.4	38.4	38.6	38.6	38.7	38.9
GE 12000	25.3	32.9	34.7	36.7	37.8	38.7	39.1	39.5	39.6	40.0	40.1	40.1	40.3	40.3	40.4	40.5
GE 10000	26.4	34.0	35.9	38.3	39.5	40.4	40.8	41.0	41.3	41.7	41.8	41.8	42.0	42.0	42.1	42.2
GE 9000	26.8	35.1	37.0	39.4	40.8	41.9	42.2	42.6	42.9	43.2	43.3	43.3	43.6	43.6	43.7	43.8
GE 8000	27.0	35.3	37.3	39.8	41.1	42.2	42.7	43.0	43.3	43.7	43.8	43.8	44.0	44.0	44.1	44.2
GE 7000	27.2	35.5	37.5	40.2	41.5	42.7	43.1	43.4	43.8	44.1	44.2	44.2	44.5	44.5	44.6	44.7
GE 6000	27.4	36.1	38.1	40.9	42.2	43.3	43.8	44.1	44.5	44.8	44.9	44.9	45.1	45.1	45.2	45.4
GE 5000	29.2	37.5	39.8	42.6	43.7	45.0	45.5	45.8	46.1	46.6	46.7	46.7	46.9	46.9	47.0	47.1
GE 4500	29.2	39.0	41.3	44.3	45.7	46.9	47.4	47.7	48.0	48.7	48.8	48.8	49.0	49.0	49.2	49.3
GE 4000	30.5	40.4	42.8	45.8	47.3	48.5	48.9	49.3	49.6	50.3	50.4	50.4	50.6	50.6	50.8	51.0
GE 3500	31.5	41.7	44.1	47.5	49.0	50.3	50.7	51.2	51.5	52.3	52.4	52.4	52.6	52.7	52.9	53.0
GE 3000	34.2	45.4	48.2	52.1	53.6	54.9	55.3	55.8	56.1	56.9	57.0	57.0	57.2	57.3	57.4	57.6
GE 2500	36.6	49.2	52.1	56.1	57.4	59.0	59.5	59.9	60.2	61.0	61.1	61.1	61.4	61.5	61.6	61.8
GE 2000	38.2	52.3	55.5	60.2	62.7	63.5	64.1	64.5	64.8	65.6	65.7	65.7	66.0	66.1	66.2	66.4
GE 1800	39.5	54.6	58.2	63.3	65.4	66.7	67.3	67.7	68.1	68.9	69.0	69.0	69.2	69.3	69.4	69.7
GE 1500	40.5	56.9	60.5	66.0	68.1	69.8	70.3	70.8	71.2	72.0	72.1	72.1	72.3	72.5	72.6	72.9
GE 1200	42.0	59.9	63.9	69.7	72.5	74.2	74.8	75.3	75.7	76.5	76.6	76.6	76.8	76.9	77.0	77.4
GE 1000	42.6	62.4	66.4	72.7	75.9	77.7	78.4	78.8	79.3	80.2	80.3	80.3	80.5	80.6	80.7	81.1
GE 900	42.9	62.9	67.2	73.6	77.0	78.8	79.5	80.2	80.6	81.5	81.6	81.6	81.9	82.0	82.1	82.4
GE 800	43.1	63.7	68.4	75.0	78.7	80.5	81.2	81.9	82.4	83.3	83.4	83.4	83.7	83.8	83.9	84.2
GE 700	43.3	64.6	69.7	76.4	80.5	82.6	83.4	84.2	84.8	85.7	85.8	85.8	86.1	86.2	86.3	86.7
GE 600	43.4	65.5	70.7	77.6	82.7	84.5	85.3	86.3	87.1	88.0	88.1	88.1	88.5	88.6	88.7	89.0
GE 500	43.6	65.8	71.1	78.1	82.8	85.2	86.1	87.7	88.6	89.5	89.6	89.6	89.9	90.0	90.1	90.5
GE 400	43.8	66.4	71.7	78.8	83.7	86.3	87.5	89.5	90.5	91.4	91.5	91.5	91.8	91.9	92.0	92.4
GE 300	43.8	66.7	72.1	79.8	84.9	87.9	89.4	92.0	93.2	94.3	94.4	94.4	94.7	94.8	95.0	95.3
GE 200	43.8	66.7	72.1	79.8	84.9	88.1	89.8	92.7	94.1	95.3	95.5	95.5	95.9	96.0	96.1	96.5
GE 100	43.8	66.7	72.1	79.8	84.9	88.1	90.0	93.2	94.7	96.0	96.1	96.1	96.3	96.6	97.0	97.5
GE 0	43.8	66.7	72.1	79.8	84.9	88.1	90.0	93.2	94.7	96.1	96.5	96.5	96.9	97.4	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UN

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(EST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		100	90	80	60	40	30	32	24	20	16	12	10	8	5	4	0
NO	CLTL	18.1	23.9	25.8	26.6	27.1	29.0	29.5	30.5	31.0	31.9	31.9	31.9	32.0	32.1	32.6	33.1
GE	20000	22.0	29.0	31.0	32.6	33.8	35.8	36.3	37.6	38.0	38.9	38.9	38.9	39.0	39.1	39.6	40.1
GE	18000	22.0	29.0	31.0	32.6	33.8	35.8	36.3	37.6	38.0	38.9	38.9	38.9	39.0	39.1	39.6	40.1
GE	16000	22.0	29.0	31.0	32.6	33.8	35.8	36.3	37.6	38.0	38.9	38.9	38.9	39.0	39.1	39.6	40.1
GE	14000	22.0	29.2	31.3	32.9	34.1	36.1	36.7	37.9	38.4	39.2	39.2	39.2	39.4	39.5	39.9	40.5
GE	12000	22.7	30.1	32.2	33.9	35.2	37.2	37.8	39.0	39.5	40.4	40.4	40.4	40.5	40.6	41.0	41.6
GE	10000	24.0	31.7	33.8	35.6	37.6	39.0	39.6	40.8	41.2	42.3	42.3	42.3	42.4	42.5	42.9	43.5
GE	9000	24.6	33.0	35.1	36.9	38.4	40.5	41.1	42.4	42.8	43.8	43.8	43.8	43.9	44.0	44.5	45.0
GE	8000	24.7	33.2	35.3	37.1	38.6	40.7	41.4	42.6	43.0	44.0	44.0	44.0	44.1	44.3	44.7	45.3
GE	7000	24.9	33.3	35.5	37.2	38.7	40.8	41.5	42.7	43.1	44.1	44.1	44.1	44.3	44.4	44.8	45.4
GE	6000	25.2	34.1	36.2	38.0	39.6	41.7	42.4	43.6	44.0	45.0	45.0	45.0	45.2	45.3	45.7	46.3
GE	5000	27.1	37.0	39.1	41.2	43.0	45.3	45.9	47.2	47.6	48.6	48.6	48.6	48.7	48.8	49.3	49.9
GE	4500	27.9	38.1	40.4	42.7	44.6	46.8	47.5	48.8	49.4	50.5	50.5	50.5	50.6	50.7	51.2	51.8
GE	4000	28.7	39.5	41.7	44.1	46.0	48.3	48.9	50.4	50.9	52.1	52.1	52.1	52.2	52.3	52.7	53.4
GE	3500	30.0	41.4	43.6	46.0	47.9	50.2	50.8	52.3	52.8	54.0	54.0	54.0	54.1	54.2	54.6	55.3
GE	3000	32.8	45.4	48.0	50.8	52.4	55.3	56.1	57.5	58.1	59.2	59.2	59.2	59.3	59.4	59.9	60.6
GE	2500	35.0	48.7	51.5	54.4	56.4	59.0	59.8	61.2	61.8	62.9	62.9	62.9	63.0	63.1	63.5	64.3
GE	2000	36.3	51.3	54.4	58.2	61.0	63.4	64.4	65.9	66.4	67.6	67.6	67.6	67.7	67.8	68.2	69.0
GE	1800	36.8	52.2	55.3	59.2	62.0	64.4	65.4	66.9	67.4	68.7	68.7	68.7	68.8	68.9	69.3	70.1
GE	1500	37.8	54.0	57.2	61.3	64.2	66.8	67.9	69.3	69.9	71.2	71.2	71.2	71.5	71.7	72.1	72.9
GE	1200	39.5	56.9	60.2	65.0	68.0	70.6	71.7	73.2	73.8	75.1	75.1	75.1	75.4	75.6	76.0	76.8
GE	1000	40.4	59.0	62.4	67.4	70.7	73.4	74.5	76.0	76.6	77.9	77.9	77.9	78.1	78.4	78.8	79.6
GE	900	40.6	59.6	63.2	68.2	71.5	74.1	75.3	76.9	77.5	78.8	78.8	78.8	79.0	79.3	79.7	80.5
GE	800	40.9	60.4	64.1	69.2	72.7	75.7	76.8	78.5	79.0	80.4	80.4	80.4	80.6	80.8	81.4	82.2
GE	700	41.0	61.2	65.1	70.3	74.7	77.4	78.6	80.5	81.2	82.5	82.5	82.5	82.8	83.1	83.6	84.4
GE	600	41.2	61.8	66.0	71.8	76.1	79.7	81.2	83.4	84.2	85.5	85.5	85.5	85.8	86.1	86.6	87.4
GE	500	41.6	62.5	67.1	73.1	77.6	81.3	82.8	85.4	86.2	87.5	87.5	87.5	87.8	88.1	88.6	89.5
GE	400	42.3	63.8	68.6	74.8	79.7	83.2	84.8	87.5	88.4	89.7	89.7	89.7	90.1	90.3	90.9	91.8
GE	300	42.3	64.3	69.2	75.8	80.7	84.7	86.6	90.1	91.3	92.6	92.6	92.6	93.0	93.2	93.8	94.6
GE	200	42.3	64.3	69.2	75.8	80.7	84.7	86.7	90.5	91.9	93.2	93.3	93.3	93.6	93.9	94.4	95.3
GE	100	42.3	64.3	69.2	75.8	80.7	84.6	86.8	91.0	92.4	94.3	94.4	94.5	94.9	95.2	95.8	96.7
GE	70	42.3	64.3	69.2	75.8	80.8	84.8	86.8	91.0	92.4	94.4	94.8	95.0	95.3	95.7	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 997

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOYCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS/EST: ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 40	GE 60	GE 45	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	14.1	22.6	23.5	24.6	25.7	25.9	26.5	27.1	27.4	27.7	27.7	27.7	27.9	28.2	28.4	29.2
GE 2000	23.9	30.0	31.4	32.8	33.3	34.6	35.2	36.1	36.4	36.7	36.9	36.9	37.0	37.1	37.4	38.5
GE 1800	24.0	30.2	31.4	32.9	33.5	34.7	35.3	36.2	36.5	36.9	36.9	37.0	37.1	37.5	37.7	38.6
GE 1600	24.0	30.2	31.4	33.0	34.0	34.7	35.4	36.3	36.6	36.9	37.0	37.0	37.2	37.6	37.8	38.7
GE 1400	24.5	30.8	32.1	33.7	34.7	35.5	36.1	37.0	37.3	37.7	37.7	37.7	37.9	38.3	38.5	39.4
GE 1200	25.2	31.7	33.1	34.8	35.9	36.7	37.4	38.3	38.6	38.9	39.0	39.0	39.2	39.6	39.8	40.7
GE 1000	26.5	33.4	34.7	36.5	37.7	38.6	39.3	40.3	40.6	41.0	41.1	41.1	41.3	41.7	41.9	42.8
GE 900	27.1	34.2	35.7	37.6	38.9	39.8	40.6	41.6	41.9	42.3	42.7	42.7	42.8	43.0	43.4	44.1
GE 800	27.4	34.5	36.0	38.0	39.3	40.2	41.0	42.0	42.3	42.7	42.7	42.8	43.0	43.4	43.6	44.5
GE 700	27.7	34.9	36.4	38.4	39.7	40.6	41.4	42.4	42.8	43.2	43.7	43.7	43.8	43.9	44.1	45.0
GE 600	28.5	35.9	37.4	39.5	40.8	41.7	42.5	43.6	43.9	44.3	44.4	44.4	44.6	45.0	45.2	46.1
GE 500	29.8	37.9	39.5	41.7	43.1	44.0	44.8	45.9	46.2	46.6	46.7	46.7	47.0	47.4	47.6	48.5
GE 450	31.0	39.6	41.3	43.6	45.0	45.9	46.7	47.8	48.2	48.7	48.8	48.8	49.0	49.4	49.7	50.6
GE 400	32.3	41.4	43.1	45.5	47.0	48.0	48.8	50.0	50.4	50.9	51.0	51.0	51.2	51.7	51.9	52.8
GE 350	33.4	42.7	44.6	47.1	48.7	49.7	50.6	51.8	52.2	52.8	52.9	52.9	53.1	53.5	53.7	54.7
GE 300	35.9	46.0	48.1	51.1	52.8	53.8	54.7	56.0	56.4	57.0	57.1	57.1	57.3	57.8	58.0	58.9
GE 2500	38.5	49.6	51.9	55.0	56.8	58.0	58.9	60.3	60.7	61.3	61.3	61.4	61.6	62.0	62.2	63.1
GE 2000	40.8	53.3	56.1	59.6	61.4	62.8	63.9	65.4	65.8	66.4	66.5	66.6	66.8	67.2	67.4	68.4
GE 1800	41.7	54.8	57.7	61.4	63.5	64.7	65.8	67.3	67.8	68.4	68.5	68.6	68.8	69.2	69.4	70.4
GE 1600	43.1	57.0	60.0	63.9	66.0	67.4	68.5	70.0	70.5	71.2	71.3	71.3	71.6	72.1	72.3	73.3
GE 1400	45.0	60.4	63.7	68.0	70.4	71.8	73.0	74.6	75.1	75.8	75.9	75.9	76.2	76.7	76.9	77.9
GE 1200	45.9	62.3	65.7	70.4	73.1	74.5	75.7	77.4	77.9	78.6	78.7	78.8	79.0	79.5	79.8	80.8
GE 1000	46.1	62.9	66.5	71.4	74.7	75.7	76.9	78.7	79.2	79.9	80.1	80.1	80.3	80.9	81.1	82.1
GE 900	46.4	63.8	67.6	72.7	75.8	77.3	78.6	80.5	81.1	81.8	81.9	82.0	82.2	82.7	83.0	84.0
GE 800	46.7	64.6	68.9	74.2	77.4	79.2	80.6	82.6	83.2	83.9	84.0	84.1	84.4	84.9	85.1	86.1
GE 700	46.8	65.6	69.9	75.5	79.1	81.0	82.4	84.6	85.4	86.2	86.3	86.3	86.6	87.1	87.4	88.4
GE 600	47.0	66.1	70.7	76.6	80.5	82.4	84.0	86.5	87.3	88.1	88.2	88.3	88.5	89.1	89.3	90.3
GE 500	47.1	66.6	71.3	77.4	81.4	83.8	85.5	88.2	89.1	89.9	90.0	90.1	90.4	90.9	91.2	92.2
GE 400	47.1	66.8	71.6	78.0	82.5	84.9	86.8	89.8	90.7	91.7	91.7	91.8	92.1	92.6	92.9	93.9
GE 300	47.1	66.9	71.7	78.2	82.8	85.3	87.4	90.6	91.7	92.7	92.7	92.9	93.0	93.3	93.8	94.1
GE 200	47.1	66.9	71.7	78.2	82.9	85.5	87.6	91.0	92.2	93.5	93.7	93.9	94.3	95.0	95.2	96.6
GE 100	47.1	66.9	71.7	78.2	82.9	85.5	87.7	91.1	92.3	93.6	93.9	94.2	94.7	95.7	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 7150



GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037867 STATION NAME: BOSCOME DOWN UN

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(EST): 0000-0400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 30	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	16.7	20.4	21.1	21.6	23.1	23.9	23.9	25.1	25.6	26.1	26.3	26.3	26.6	26.9	27.0	28.3
GE 20000	20.0	25.6	26.3	27.0	28.7	29.4	29.4	31.0	31.5	32.0	32.2	32.2	32.6	32.8	32.9	34.2
GE 18000	20.1	26.0	26.6	27.3	29.0	29.6	29.6	31.3	31.9	32.3	32.5	32.5	32.9	33.1	33.2	34.6
GE 16000	20.1	26.0	26.6	27.3	29.0	29.6	29.6	31.3	31.9	32.3	32.5	32.5	32.9	33.1	33.2	34.6
GE 14000	20.4	26.3	27.0	27.6	29.3	30.1	30.1	31.7	32.3	32.8	33.0	33.0	33.3	33.6	33.7	35.0
GE 12000	21.1	27.2	27.9	28.5	30.2	31.0	31.0	32.6	33.2	33.7	33.9	33.9	34.2	34.4	34.6	35.9
GE 10000	22.5	28.9	29.3	30.2	31.9	32.7	32.7	34.2	34.9	35.3	35.6	35.6	35.9	36.2	36.3	37.7
GE 9000	23.1	29.7	30.3	31.0	32.7	33.4	33.4	35.0	35.7	36.1	36.4	36.4	36.7	37.0	37.1	38.5
GE 8000	23.2	30.0	30.7	31.3	33.0	33.8	33.8	35.3	36.1	36.6	36.8	36.8	37.1	37.6	37.7	39.1
GE 7000	23.5	30.9	31.5	32.2	33.9	34.7	34.7	36.2	37.1	37.8	38.0	38.0	38.4	38.9	39.0	40.5
GE 6000	23.9	31.4	32.1	32.8	34.4	35.2	35.2	36.7	37.6	38.4	38.6	38.6	38.9	39.5	39.6	41.0
GE 5000	25.1	33.3	34.1	34.8	36.5	37.3	37.3	38.8	39.7	40.7	41.0	41.0	41.4	42.0	42.1	43.6
GE 4500	26.0	34.8	35.7	36.5	38.1	39.1	39.1	40.6	41.5	42.7	43.0	43.0	43.5	44.1	44.4	45.8
GE 4000	27.1	36.3	37.2	38.1	39.8	40.8	40.8	42.4	43.3	44.5	44.8	44.8	45.3	45.9	46.2	47.6
GE 3500	28.0	37.6	38.6	39.7	41.4	42.4	42.4	44.0	45.0	46.2	46.4	46.4	46.9	47.5	47.7	49.2
GE 3000	30.3	40.7	41.8	43.0	44.8	45.8	45.8	47.4	48.3	49.7	50.1	50.1	50.5	51.2	51.4	52.8
GE 2500	31.8	42.8	43.9	45.1	47.0	48.3	48.3	50.0	50.8	52.5	52.8	53.0	53.5	54.0	54.2	55.7
GE 2000	34.1	46.9	48.2	50.1	52.3	53.5	53.5	55.2	56.2	57.9	58.0	58.3	58.9	59.0	59.8	61.6
GE 1500	35.1	48.7	50.9	51.8	54.3	55.5	55.5	57.2	58.2	59.9	60.0	60.3	60.9	61.0	61.4	63.9
GE 1000	36.7	52.1	54.0	55.9	58.5	60.0	60.0	62.0	63.1	64.7	65.0	65.1	65.7	66.4	66.7	68.6
GE 1200	37.5	54.0	56.1	58.4	61.5	63.2	63.2	65.8	66.1	67.9	68.1	68.5	68.6	69.2	70.0	72.1
GE 1000	38.0	55.6	57.9	60.3	63.7	65.2	65.2	68.0	68.5	69.8	70.5	70.8	70.9	71.6	72.4	74.5
GE 900	38.4	56.3	58.6	61.4	64.7	66.4	66.4	69.3	69.8	71.1	71.9	72.1	72.2	72.9	73.7	75.8
GE 800	38.9	57.5	60.1	62.9	66.7	68.0	68.0	71.5	72.8	73.6	73.9	74.0	74.7	75.5	75.7	77.6
GE 700	39.7	59.4	62.2	65.1	68.9	70.8	71.7	74.2	75.6	76.4	76.7	76.8	77.5	78.3	78.5	80.4
GE 600	40.0	60.8	64.0	67.0	70.9	73.0	74.2	76.9	78.3	79.0	79.4	79.5	80.2	80.9	81.2	83.1
GE 500	40.5	61.4	65.1	68.3	72.7	74.8	76.3	78.9	80.3	81.0	81.4	81.5	82.2	82.9	83.2	85.1
GE 400	40.7	62.4	66.1	70.1	74.4	77.1	78.9	81.6	82.9	83.7	84.1	84.3	84.9	85.7	86.0	87.8
GE 300	40.7	63.1	67.0	71.3	76.1	78.7	80.7	83.7	85.1	85.8	86.3	86.4	87.1	87.8	88.1	90.0
GE 200	40.7	63.4	67.1	71.9	77.5	80.2	82.6	86.3	87.6	88.9	89.4	89.6	90.4	91.6	91.9	93.8
GE 100	40.7	63.3	67.2	72.0	77.5	80.3	83.1	87.3	89.4	91.0	92.0	92.2	93.1	94.4	94.9	97.1
GE 0	40.7	63.3	67.2	72.0	77.5	80.3	83.1	87.4	89.5	91.1	92.1	92.5	93.4	95.3	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 497

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(1ST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
NO CEIL	14.9	19.3	19.8	20.7	21.2	21.6	21.9	23.4	24.3	25.0	25.0	25.1	25.2	25.6	25.8	27.4
GE 20000	18.1	23.3	24.1	25.2	25.9	26.2	26.7	28.2	29.1	29.9	30.3	31.2	30.3	30.8	31.0	32.8
GE 18000	18.2	23.4	24.2	25.3	26.1	26.6	27.0	28.6	29.4	30.2	30.7	30.6	30.7	31.1	31.3	33.1
GE 16000	18.3	23.5	24.3	25.4	26.2	26.7	27.1	28.7	29.6	30.3	30.4	30.7	30.8	31.2	31.4	33.2
GE 14000	18.6	23.8	24.6	25.7	26.4	26.9	27.3	28.9	29.8	30.6	30.7	30.9	31.0	31.4	31.7	33.4
GE 12000	19.1	24.3	25.1	26.3	27.1	27.6	28.0	29.7	30.6	31.3	31.4	31.7	31.8	32.2	32.4	34.2
GE 10000	20.3	26.0	26.6	28.0	28.4	29.2	29.7	31.3	32.2	33.0	33.1	33.3	33.4	33.9	34.1	35.9
GE 9000	20.4	26.4	27.2	28.4	29.2	29.7	30.1	31.8	32.7	33.4	33.4	33.8	33.9	34.2	34.6	36.3
GE 8000	20.9	26.6	27.3	28.6	29.3	29.8	30.2	31.9	32.8	33.6	33.7	33.9	34.0	34.4	34.7	36.4
GE 7000	21.2	26.9	27.7	28.9	29.7	30.1	30.6	32.3	33.2	34.0	34.1	34.3	34.4	34.9	35.1	36.9
GE 6000	21.7	28.6	29.3	30.6	31.3	31.8	32.2	34.0	34.9	35.7	35.7	35.8	36.0	36.1	36.6	38.6
GE 5000	25.0	31.6	32.4	33.7	34.4	34.9	35.3	37.1	38.0	38.8	38.9	39.1	39.2	39.7	39.9	41.7
GE 4500	25.6	33.1	34.2	35.0	36.6	37.0	37.6	39.8	40.7	41.4	41.4	41.8	41.9	42.3	42.6	44.3
GE 4000	26.7	34.3	35.4	37.0	37.9	38.3	39.0	41.3	42.2	43.0	43.2	43.4	43.6	44.0	44.2	46.0
GE 3500	27.8	36.1	37.4	39.0	39.9	40.3	41.0	43.3	44.2	45.0	45.2	45.4	45.6	46.0	46.2	48.0
GE 3000	30.1	39.3	40.6	42.4	43.6	44.0	44.8	47.3	48.2	49.0	49.2	49.4	49.6	50.0	50.3	52.1
GE 2500	37.1	42.7	44.7	46.3	47.4	48.0	48.8	51.4	52.3	53.2	53.4	53.7	53.7	54.3	54.7	56.4
GE 2000	34.7	46.6	48.7	50.7	51.4	52.3	53.2	56.1	57.0	58.0	58.2	58.4	58.7	59.1	59.4	61.2
GE 1800	35.9	48.6	50.8	52.9	54.1	54.7	55.7	58.7	59.6	60.6	60.8	61.0	61.2	61.8	62.1	63.9
GE 1600	37.3	51.0	53.3	55.7	57.1	58.0	59.0	62.1	63.0	64.0	64.2	64.4	64.7	65.2	65.6	67.3
GE 1400	34.3	53.7	56.7	59.2	61.2	62.3	63.4	66.7	67.7	68.7	68.9	69.1	69.3	70.0	70.3	72.3
GE 1200	39.3	55.4	59.8	61.4	63.6	64.7	65.8	69.0	70.1	71.2	71.4	71.7	71.9	72.6	72.9	74.9
GE 1000	39.9	56.1	59.6	62.2	64.3	65.4	66.6	69.9	71.0	72.1	72.3	72.6	72.8	73.4	73.8	75.8
GE 900	39.9	56.8	61.2	63.3	65.4	66.5	68.1	71.6	72.7	73.8	74.0	74.2	74.4	75.1	75.4	77.4
GE 800	40.4	59.1	62.7	65.9	68.1	69.9	71.2	74.7	75.8	76.9	77.1	77.3	77.6	78.2	78.6	80.6
GE 700	40.9	60.4	64.1	67.9	70.7	72.0	73.4	76.9	78.1	79.2	79.4	79.7	79.9	80.6	80.9	82.9
GE 600	41.2	61.6	65.3	69.6	72.7	73.7	75.2	78.7	79.9	81.0	81.2	81.4	81.7	82.3	82.7	84.7
GE 500	41.6	62.4	66.2	70.7	74.1	75.6	77.3	81.1	82.3	83.4	83.6	83.9	84.1	84.8	85.1	87.1
GE 400	41.6	62.4	66.7	71.6	74.9	76.7	78.6	83.1	84.4	85.7	85.9	86.1	86.4	87.1	87.4	89.4
GE 300	41.6	62.4	66.9	72.1	75.9	77.7	80.2	85.7	87.2	88.4	88.6	89.0	89.4	90.1	90.4	92.4
GE 200	41.6	62.4	67.0	72.3	76.3	78.2	81.0	87.7	89.8	91.7	92.7	92.4	92.9	93.6	93.9	96.2
GE 100	41.6	62.4	67.0	72.3	76.3	78.2	81.0	87.7	89.8	91.7	92.7	92.4	92.9	93.6	93.9	96.2
GE 0	41.6	62.4	67.0	72.3	76.3	78.2	81.0	87.7	89.8	91.7	92.7	92.4	92.9	93.6	93.9	96.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037467 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0600-0800

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 40	GE 60	GE 44	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	14.5	17.8	18.8	20.0	20.3	20.7	20.9	21.8	21.9	22.3	22.3	22.6	22.6	22.8	22.9	24.5
GE 20000	17.8	22.3	23.4	24.9	25.8	26.1	26.4	27.5	27.7	28.2	28.2	28.4	28.4	28.6	28.7	30.3
GE 18000	17.8	22.3	23.4	24.9	25.9	26.4	26.6	27.8	28.0	28.5	28.5	28.8	28.8	29.1	29.2	30.7
GE 16000	17.8	22.3	23.4	25.0	26.0	26.5	26.7	27.9	28.2	28.7	28.7	29.1	29.1	29.3	29.4	30.9
GE 14000	18.2	22.6	23.9	25.7	26.7	27.3	27.5	28.8	29.1	29.6	29.6	29.9	29.9	30.2	30.3	31.8
GE 12000	18.8	23.5	24.6	26.4	27.4	27.9	28.2	29.5	29.7	30.3	30.3	30.6	30.6	30.9	31.1	32.6
GE 10000	19.9	25.1	26.3	28.0	29.1	29.6	29.8	31.2	31.4	32.0	32.0	32.3	32.3	32.6	32.7	34.4
GE 9000	20.1	25.8	26.9	28.7	29.7	30.4	30.6	32.0	32.2	32.7	32.7	33.1	33.1	33.4	33.5	35.2
GE 8000	20.1	25.6	26.9	28.7	29.7	30.4	30.6	32.0	32.2	32.7	32.7	33.1	33.1	33.4	33.5	35.2
GE 7000	20.1	25.8	26.9	28.7	29.7	30.4	30.6	32.0	32.2	32.7	32.7	33.1	33.1	33.4	33.5	35.2
GE 6000	22.0	27.8	28.9	30.7	31.8	32.5	32.7	34.1	34.3	34.9	34.9	35.2	35.2	35.5	35.6	37.3
GE 5000	24.5	30.6	32.0	33.9	35.0	35.8	36.0	37.3	37.5	38.1	38.1	38.4	38.4	38.8	38.9	40.6
GE 4500	25.4	31.7	33.1	35.0	36.1	36.9	37.1	38.4	38.7	39.2	39.2	39.6	39.6	39.9	40.0	41.7
GE 4000	26.6	33.2	34.7	36.8	37.9	38.8	39.0	40.3	40.6	41.1	41.1	41.5	41.5	41.8	41.9	43.6
GE 3500	27.3	34.1	35.8	37.8	39.0	39.9	40.1	41.6	41.8	42.3	42.3	42.7	42.7	43.0	43.1	44.8
GE 3000	30.1	37.4	39.6	42.0	43.2	44.1	44.5	45.9	46.3	46.8	46.8	47.2	47.2	47.5	47.6	49.3
GE 2500	31.8	40.0	42.3	44.8	46.5	47.6	48.0	49.7	50.1	50.6	50.6	50.9	50.9	51.3	51.4	53.1
GE 2000	34.2	43.7	46.4	49.2	50.9	52.2	52.7	54.4	54.7	55.3	55.3	55.6	55.8	56.1	56.2	58.0
GE 1800	35.6	45.6	49.3	51.3	53.3	54.6	55.5	57.3	57.7	58.2	58.2	58.7	58.8	59.1	59.2	61.0
GE 1500	37.5	48.8	51.6	55.0	57.1	58.7	59.6	61.5	61.8	62.3	62.3	62.8	62.9	63.2	63.4	65.1
GE 1200	38.7	52.3	55.2	59.1	61.8	63.2	64.1	66.4	66.7	67.3	67.3	67.7	67.8	68.2	68.3	70.1
GE 1000	39.4	54.7	57.9	62.0	65.1	66.9	67.8	70.1	70.5	71.1	71.1	71.5	71.6	72.0	72.1	73.9
GE 900	39.7	55.2	58.4	62.8	66.0	67.9	68.8	71.1	71.5	72.1	72.1	72.5	72.6	73.0	73.1	74.9
GE 800	39.7	56.0	59.3	64.4	67.6	69.6	70.5	72.7	73.2	73.7	73.7	74.2	74.3	74.6	74.7	76.5
GE 700	40.1	57.2	60.7	66.6	70.1	72.1	73.0	75.3	75.9	76.4	76.4	76.9	77.0	77.3	77.4	79.2
GE 600	40.3	58.5	62.3	68.9	72.4	74.5	75.4	78.0	78.5	79.1	79.1	79.6	79.7	80.0	80.1	81.9
GE 500	40.7	59.3	63.2	69.9	73.1	75.6	76.5	79.1	79.7	80.2	80.2	80.7	80.9	81.1	81.2	83.0
GE 400	41.1	60.4	64.4	71.3	75.2	77.5	78.4	81.2	81.9	82.6	82.6	83.0	83.1	83.5	83.6	85.4
GE 300	41.3	61.0	65.4	72.8	77.7	79.6	80.8	84.4	85.1	85.8	85.8	86.3	86.4	86.7	86.8	88.7
GE 200	41.3	61.2	65.7	73.3	77.9	80.3	81.8	86.0	87.2	88.2	88.2	88.7	88.8	89.2	89.3	91.2
GE 100	41.3	61.2	65.7	73.4	78.1	81.3	83.0	88.0	89.5	91.5	92.2	92.7	93.1	94.1	94.2	96.8
GE 0	41.3	61.2	65.7	73.4	78.5	81.3	83.0	88.0	89.5	91.8	92.5	93.1	93.4	95.3	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	14.3	17.0	17.6	19.4	20.0	20.7	20.7	20.9	21.1	21.1	21.2	21.2	21.2	21.2	21.6	22.3
GE 20000	18.9	24.7	25.9	28.3	29.4	30.4	30.6	31.1	31.4	31.4	31.6	31.6	31.6	31.6	32.3	33.1
GE 18000	19.3	25.3	26.6	29.0	30.1	31.1	31.2	31.8	32.1	32.1	32.2	32.2	32.2	32.2	33.0	33.8
GE 16000	19.6	25.6	26.8	29.2	30.3	31.3	31.4	32.0	32.3	32.3	32.4	32.4	32.4	32.4	33.2	34.0
GE 14000	19.8	25.9	27.1	29.6	30.8	31.8	32.0	32.6	32.9	32.9	33.0	33.0	33.0	33.0	33.8	34.6
GE 12000	21.0	27.1	28.3	30.8	32.1	33.1	33.4	34.0	34.3	34.3	34.4	34.4	34.4	34.4	35.2	36.1
GE 10000	22.6	28.9	30.1	32.6	33.9	34.9	35.2	35.8	36.2	36.3	36.4	36.4	36.4	36.4	37.2	38.2
GE 9000	23.2	30.2	31.6	34.2	35.6	36.6	36.9	37.6	38.0	38.1	38.2	38.2	38.2	38.2	39.0	40.1
GE 8000	23.3	30.6	31.9	34.6	36.0	37.0	37.3	38.1	38.6	38.7	38.8	38.8	38.8	38.8	39.6	40.7
GE 7000	23.7	30.9	32.3	35.0	36.4	37.4	37.8	38.6	39.0	39.1	39.2	39.2	39.2	39.2	40.0	41.1
GE 6000	24.8	32.2	33.8	36.6	38.0	39.0	39.3	40.1	40.6	40.7	40.8	40.8	40.8	40.8	41.6	42.7
GE 5000	25.9	34.1	35.8	38.7	40.1	41.1	41.4	42.2	42.7	42.8	43.0	43.0	43.0	43.0	43.8	44.9
GE 4500	26.8	35.6	37.3	40.4	41.9	42.9	43.2	44.0	44.4	44.6	44.8	44.8	44.8	44.8	45.6	46.7
GE 4000	27.6	36.4	38.2	41.6	43.1	44.1	44.4	45.3	45.8	45.9	46.1	46.1	46.1	46.1	46.9	48.0
GE 3500	27.7	36.9	38.7	42.1	43.6	44.6	45.1	46.0	46.4	46.7	46.9	46.9	46.9	46.9	47.7	48.8
GE 3000	29.0	38.4	40.3	44.1	45.6	46.6	47.3	48.2	48.7	48.9	49.1	49.2	49.2	49.2	50.0	51.1
GE 2500	30.7	41.0	43.0	47.1	49.1	50.7	51.2	52.2	52.8	53.0	53.2	53.3	53.3	53.3	54.1	55.2
GE 2000	32.3	44.3	46.6	50.9	53.1	54.8	55.7	56.8	57.7	57.9	58.1	58.2	58.2	58.2	59.0	60.1
GE 1800	34.3	46.7	49.0	53.6	56.0	57.7	58.6	59.7	60.6	60.8	61.0	61.1	61.1	61.1	61.9	63.0
GE 1600	35.4	48.7	51.2	56.0	58.7	60.3	61.2	62.7	63.6	63.8	64.0	64.1	64.1	64.1	64.9	66.0
GE 1400	37.3	52.6	55.3	60.2	63.2	64.9	65.9	67.6	68.7	69.0	69.2	69.3	69.3	69.3	70.1	71.2
GE 1200	39.4	54.1	57.0	62.3	65.7	67.4	68.4	70.1	71.2	71.6	71.8	71.9	71.9	71.9	72.8	73.9
GE 1000	39.4	55.6	58.4	63.8	67.1	68.9	69.9	71.6	72.7	73.0	73.2	73.3	73.3	73.3	74.2	75.3
GE 900	40.0	56.4	59.4	65.1	68.4	70.6	71.6	73.2	74.4	74.8	75.0	75.1	75.1	75.1	76.0	77.1
GE 800	40.4	57.9	60.9	66.8	71.1	72.9	73.9	75.7	76.9	77.2	77.4	77.6	77.6	77.6	78.4	79.6
GE 700	41.2	59.4	63.0	69.3	73.9	75.9	77.0	78.9	80.1	80.4	80.7	80.9	80.9	80.9	81.8	82.9
GE 600	41.6	60.1	63.9	70.4	75.2	77.3	78.6	80.8	82.0	82.3	82.6	82.8	82.8	82.8	83.7	84.8
GE 500	41.8	60.8	64.6	71.9	77.3	79.0	80.6	83.2	84.4	84.9	85.1	85.3	85.3	85.3	86.2	87.3
GE 400	41.8	61.1	65.2	72.9	78.6	80.7	82.7	85.4	86.6	87.1	87.4	87.7	87.7	87.7	88.6	89.7
GE 300	41.8	61.1	65.3	73.6	79.6	82.2	84.1	86.9	88.1	88.6	88.9	89.2	89.2	89.2	90.0	90.9
GE 200	41.8	61.1	65.3	73.6	79.9	83.6	86.4	90.7	92.2	92.7	93.4	93.9	94.1	94.2	95.4	96.6
GE 100	41.8	61.1	65.3	73.6	79.9	83.6	86.4	90.7	92.2	92.7	93.4	93.9	94.1	94.2	95.4	96.6
GE 0	41.8	61.1	65.3	73.6	79.9	83.6	86.4	90.7	92.2	92.7	93.4	93.9	94.1	94.2	95.4	96.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.8	17.7	18.7	19.9	20.5	20.7	20.9	21.1	21.1	21.1	21.1	21.1	21.4	21.4	21.4	21.5
GE 20000	23.0	29.3	30.5	31.9	32.9	33.3	33.6	33.9	33.9	33.9	33.9	33.9	34.1	34.1	34.1	34.5
GE 18000	23.1	29.5	30.7	32.1	33.1	33.5	33.8	34.1	34.1	34.1	34.1	34.1	34.4	34.4	34.4	34.7
GE 16000	23.1	29.5	30.7	32.1	33.1	33.5	33.8	34.1	34.1	34.1	34.1	34.1	34.4	34.4	34.4	34.7
GE 14000	24.0	30.6	31.8	33.3	34.3	34.6	34.9	35.3	35.3	35.3	35.3	35.3	35.5	35.5	35.5	35.8
GE 12000	24.8	31.7	33.0	34.5	35.5	35.8	36.2	36.6	36.6	36.6	36.6	36.6	36.8	36.8	36.8	37.2
GE 10000	26.9	34.5	35.8	37.3	38.3	38.6	38.9	39.6	39.6	39.6	39.6	39.6	39.8	39.8	39.8	40.2
GE 9000	28.3	36.4	38.2	39.7	40.7	41.0	41.4	42.0	42.0	42.0	42.0	42.0	42.3	42.3	42.3	42.6
GE 8000	28.4	36.6	38.5	40.0	41.0	41.4	41.7	42.4	42.4	42.4	42.4	42.4	42.6	42.6	42.6	42.9
GE 7000	28.6	36.8	38.7	40.3	41.4	41.7	42.0	42.7	42.7	42.7	42.7	42.7	42.9	42.9	42.9	43.3
GE 6000	28.9	37.5	39.4	41.0	42.2	42.5	42.8	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.7	44.0
GE 5000	29.9	38.8	40.7	42.5	43.6	44.0	44.5	45.4	45.4	45.5	45.5	45.7	45.9	46.1	46.1	46.4
GE 4500	31.1	40.7	42.7	44.8	45.9	46.4	46.8	47.8	47.8	47.9	47.9	48.2	48.4	48.5	48.5	48.8
GE 4000	32.6	42.7	44.7	47.1	48.3	48.7	49.3	50.3	50.3	50.4	50.4	50.6	50.8	50.9	50.9	51.3
GE 3500	33.0	43.5	45.6	48.2	49.4	49.8	50.4	51.4	51.4	51.5	51.5	51.7	51.9	52.1	52.1	52.4
GE 3000	35.7	46.4	48.5	51.3	52.6	53.2	53.7	54.7	54.7	54.8	54.8	55.1	55.3	55.4	55.4	55.7
GE 2500	37.4	48.6	51.1	54.1	55.5	56.1	56.7	57.7	57.7	57.8	57.8	58.1	58.3	58.4	58.4	58.7
GE 2000	39.4	51.3	53.8	57.1	58.7	59.5	60.3	61.5	61.5	61.6	61.6	61.8	62.1	62.2	62.2	62.5
GE 1800	40.9	53.5	56.1	59.4	61.1	62.0	62.7	64.0	64.0	64.1	64.1	64.3	64.5	64.6	64.6	65.0
GE 1600	43.9	57.6	60.3	64.0	66.2	67.4	68.3	69.5	69.5	69.6	69.6	69.9	70.1	70.2	70.2	70.5
GE 1200	46.4	62.1	65.0	69.3	71.6	72.9	73.7	75.1	75.1	75.2	75.2	75.4	75.6	75.8	75.8	76.1
GE 1000	47.8	64.3	67.4	71.9	74.2	75.5	76.4	77.8	77.8	77.9	77.9	78.1	78.3	78.4	78.4	78.8
GE 900	47.9	65.0	68.2	72.6	75.2	76.6	77.5	78.9	79.0	79.1	79.1	79.3	79.5	79.6	79.6	80.0
GE 800	48.8	66.2	69.5	74.4	77.3	78.8	79.6	81.0	81.1	81.2	81.2	81.4	81.6	81.8	81.8	82.1
GE 700	49.6	67.7	71.3	76.5	79.4	80.9	82.0	83.5	83.6	83.8	83.8	84.0	84.2	84.3	84.3	84.6
GE 600	50.2	69.2	73.2	78.6	82.1	83.8	85.4	87.2	87.4	87.5	87.5	87.8	88.0	88.1	88.1	88.4
GE 500	50.3	70.2	74.5	80.4	84.1	86.1	87.8	89.8	90.0	90.1	90.1	90.3	90.5	90.7	90.7	91.0
GE 400	50.4	70.7	75.2	81.2	85.0	87.1	88.8	90.9	91.2	91.3	91.3	91.5	91.8	91.9	91.9	92.2
GE 300	50.5	71.2	75.9	81.9	86.2	88.8	90.5	92.8	93.2	93.3	93.3	93.5	93.8	93.9	93.9	94.2
GE 200	50.5	71.2	75.9	82.1	87.0	89.9	92.1	94.8	95.3	95.7	95.9	96.2	96.6	96.7	96.7	97.0
GE 100	50.5	71.4	76.1	82.3	87.2	90.1	92.3	95.1	96.0	96.4	96.8	97.1	97.4	97.7	97.7	98.7
GE 0	50.5	71.4	76.1	82.3	87.2	90.1	92.3	95.1	96.0	96.4	96.8	97.1	97.4	98.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	15.3	18.7	19.6	20.7	21.2	21.2	21.4	21.7	21.7	21.8	21.9	21.8	21.8	21.8	21.8	21.8
GE 20000	23.7	30.2	31.5	33.2	34.2	34.2	34.5	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.9
GE 18000	23.7	30.2	31.5	33.2	34.2	34.2	34.5	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.9
GE 16000	23.7	30.2	31.5	33.2	34.2	34.2	34.5	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.9
GE 14000	24.2	30.9	32.2	33.9	34.9	34.9	35.1	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.7
GE 12000	25.5	32.4	33.9	35.7	36.8	36.9	37.1	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.7
GE 10000	26.6	34.3	35.9	37.9	39.1	39.3	39.5	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.2
GE 9000	27.3	35.4	37.0	39.2	40.3	40.5	40.7	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.4
GE 8000	27.4	35.6	37.3	39.4	40.5	40.7	41.0	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.6
GE 7000	27.5	35.7	37.4	39.5	40.6	40.9	41.1	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.8
GE 6000	27.5	35.9	37.9	40.2	41.5	41.8	42.0	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.6
GE 5000	27.8	36.9	39.1	41.3	42.6	42.9	43.1	43.5	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.9
GE 4500	28.6	38.2	40.7	43.2	44.6	44.8	45.0	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.8
GE 4000	30.3	40.5	43.1	46.0	47.4	47.7	47.9	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.7
GE 3500	31.0	41.2	43.8	46.9	48.3	48.6	48.8	49.3	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.7
GE 3000	33.9	44.8	47.5	50.8	52.2	52.5	52.9	53.4	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.9
GE 2500	35.1	46.4	49.4	52.7	54.2	54.5	54.9	55.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.9
GE 2000	39.1	51.4	54.7	58.2	59.8	60.2	60.5	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.6
GE 1800	40.2	53.1	56.6	60.3	62.1	62.5	62.9	63.6	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.1
GE 1500	42.5	57.2	60.8	65.0	67.0	67.5	67.9	68.7	68.8	69.0	69.0	69.0	69.0	69.1	69.1	69.2
GE 1200	44.3	61.2	65.0	69.6	71.7	72.4	73.1	73.8	74.0	74.3	74.4	74.4	74.4	74.5	74.5	74.6
GE 1000	45.7	64.2	68.4	73.6	75.9	76.8	77.6	78.3	78.5	78.8	78.9	78.9	78.9	79.0	79.0	79.1
GE 900	46.0	64.9	69.1	74.7	77.1	78.0	78.8	79.6	79.7	80.0	80.1	80.1	80.1	80.2	80.2	80.4
GE 800	46.6	66.3	70.7	76.7	79.2	80.1	81.1	81.9	82.0	82.4	82.6	82.6	82.6	82.7	82.7	82.9
GE 700	47.1	67.6	72.2	78.5	81.5	82.4	83.4	84.2	84.3	84.6	85.0	85.0	85.0	85.1	85.1	85.3
GE 600	47.4	68.7	73.8	80.6	84.4	85.7	86.9	88.0	88.2	88.6	88.9	88.9	88.9	89.0	89.0	89.2
GE 500	47.6	69.1	74.5	81.6	85.5	87.1	88.3	89.5	89.8	90.1	90.5	90.5	90.5	90.6	90.6	90.8
GE 400	47.7	69.4	74.9	82.4	87.2	89.1	90.5	91.8	92.4	92.7	93.0	93.0	93.2	93.3	93.3	93.5
GE 300	47.7	69.4	75.2	83.1	88.4	90.3	91.8	93.2	93.7	94.1	94.5	94.5	94.6	94.7	94.7	94.9
GE 200	47.7	69.5	75.3	83.4	89.2	91.5	93.3	94.8	95.6	96.1	96.5	96.5	96.6	96.7	96.7	97.0
GE 100	47.7	69.5	75.3	83.4	89.3	91.6	93.5	95.3	96.2	96.9	97.4	97.5	97.6	97.8	97.8	98.7
GE 0	47.7	69.5	75.3	83.4	89.3	91.6	93.5	95.3	96.2	97.0	97.5	97.6	97.9	98.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	14.3	19.3	20.0	22.2	23.0	23.9	24.3	24.8	25.0	25.3	25.3	25.3	25.4	25.5	25.5	25.5
GE 20000	1	18.8	25.6	26.7	30.0	30.7	32.0	32.6	33.2	33.4	33.7	33.7	33.7	33.9	34.0	34.0	34.0
GE 18000	1	19.0	25.9	27.0	30.2	31.0	32.2	32.9	33.4	33.6	34.0	34.0	34.0	34.1	34.2	34.2	34.2
GE 16000	1	19.0	25.9	27.0	30.2	31.0	32.2	32.9	33.4	33.6	34.0	34.0	34.0	34.1	34.2	34.2	34.2
GE 14000	1	19.4	26.6	27.9	31.1	31.9	33.4	34.2	34.7	35.0	35.3	35.3	35.3	35.4	35.5	35.5	35.5
GE 12000	1	20.6	28.1	29.3	32.5	33.3	34.9	35.6	36.2	36.4	36.7	36.7	36.7	36.8	37.0	37.0	37.0
GE 10000	1	22.3	30.0	31.3	34.6	35.5	37.2	38.0	38.6	39.0	39.3	39.3	39.3	39.4	39.6	39.6	39.6
GE 9000	1	22.6	30.7	32.1	35.5	36.4	38.1	38.8	39.5	39.8	40.2	40.2	40.2	40.3	40.6	40.6	40.6
GE 8000	1	22.8	31.0	32.3	35.7	36.6	38.3	39.1	39.7	40.1	40.4	40.4	40.4	40.5	40.8	40.8	40.8
GE 7000	1	23.0	31.2	32.5	36.0	36.8	38.5	39.4	40.1	40.4	40.7	40.7	40.7	40.8	41.2	41.2	41.2
GE 6000	1	23.2	31.5	32.9	36.4	37.3	39.1	40.0	40.6	41.0	41.3	41.3	41.3	41.4	41.7	41.7	41.7
GE 5000	1	23.5	31.9	33.2	36.8	37.7	39.5	40.4	41.2	41.5	41.8	41.8	42.0	42.1	42.4	42.4	42.4
GE 4500	1	24.8	33.2	34.5	38.5	39.4	41.3	42.2	43.0	43.3	43.6	43.7	43.8	44.0	44.3	44.3	44.3
GE 4000	1	25.5	34.4	35.8	40.0	41.2	43.1	44.0	44.7	45.1	45.4	45.5	45.6	45.7	46.1	46.1	46.1
GE 3500	1	26.6	35.6	37.1	41.2	42.4	44.3	45.3	46.1	46.5	46.9	47.1	47.2	47.3	47.6	47.6	47.6
GE 3000	1	29.1	38.7	40.3	44.8	46.1	47.9	48.9	49.7	50.2	50.6	50.7	50.8	50.9	51.4	51.4	51.4
GE 2500	1	30.7	41.6	43.2	47.8	49.5	51.7	52.7	53.5	53.9	54.4	54.5	54.6	54.7	55.2	55.2	55.2
GE 2000	1	32.6	44.4	46.4	51.6	53.4	55.8	56.8	57.7	58.2	58.7	58.8	58.9	59.0	59.5	59.5	59.5
GE 1800	1	33.5	45.8	47.9	53.3	55.0	57.5	58.6	59.5	59.9	60.5	60.6	60.7	60.8	61.3	61.3	61.3
GE 1500	1	35.6	49.8	52.3	57.7	59.7	62.3	63.6	64.5	64.9	65.5	65.6	65.7	65.8	66.3	66.3	66.3
GE 1200	1	37.5	53.5	56.3	62.3	64.4	66.9	68.4	69.3	69.8	70.4	70.5	70.6	70.7	71.1	71.1	71.1
GE 1000	1	38.8	56.3	59.5	65.7	67.8	70.5	72.0	72.9	73.5	74.0	74.1	74.3	74.4	74.8	74.8	74.8
GE 900	1	39.0	56.8	60.0	66.5	68.6	71.3	72.8	73.7	74.3	74.8	74.9	75.0	75.1	75.6	75.6	75.6
GE 800	1	39.7	58.3	61.6	68.4	70.6	73.5	75.0	75.9	76.5	77.0	77.1	77.2	77.4	77.8	77.8	77.8
GE 700	1	40.1	58.9	62.5	69.8	72.0	74.9	76.6	77.6	78.1	78.7	78.9	79.0	79.1	79.6	79.6	79.6
GE 600	1	40.6	60.3	63.9	72.6	75.0	78.1	79.9	81.0	81.7	82.2	82.5	82.6	82.7	83.1	83.1	83.1
GE 500	1	40.7	60.9	64.7	73.9	76.5	79.9	81.8	83.0	83.7	84.4	84.6	84.7	84.8	85.2	85.2	85.2
GE 400	1	41.1	62.0	66.0	75.9	78.7	82.6	84.9	86.6	87.5	88.1	88.3	88.5	88.6	89.0	89.0	89.0
GE 300	1	41.1	62.5	66.9	77.5	80.6	84.7	87.5	89.5	90.8	91.7	91.9	92.0	92.1	92.6	92.6	92.6
GE 200	1	41.1	62.5	67.1	77.8	81.2	85.6	88.8	91.1	92.7	94.0	94.2	94.3	94.5	95.0	95.0	95.1
GE 100	1	41.1	62.5	67.1	77.8	81.2	85.8	89.0	91.7	93.7	95.2	95.7	95.8	96.0	97.0	97.1	97.6
GE 0	1	41.1	62.5	67.1	77.8	81.2	85.8	89.0	91.7	93.7	95.3	95.8	96.0	96.3	97.4	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 901

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	16.9	20.6	21.8	23.4	24.7	25.7	26.2	27.8	28.0	28.1	28.2	28.2	28.7	29.1	29.1	30.5
GE 20000	20.3	25.6	27.0	29.0	30.6	31.7	32.3	33.9	34.1	34.3	34.4	34.4	34.9	35.4	35.5	36.9
GE 18000	20.3	25.6	27.0	29.0	30.6	31.7	32.3	33.9	34.1	34.3	34.4	34.4	34.9	35.4	35.5	36.9
GE 16000	20.3	25.6	27.0	29.0	30.6	31.7	32.3	33.9	34.1	34.3	34.4	34.4	34.9	35.4	35.5	36.9
GE 14000	21.0	26.5	27.9	29.9	31.5	32.6	33.2	34.8	35.0	35.2	35.3	35.3	35.8	36.3	36.4	37.8
GE 12000	21.7	27.2	28.7	30.8	32.4	33.6	34.2	35.9	36.1	36.3	36.4	36.4	36.9	37.5	37.7	39.0
GE 10000	22.5	28.1	29.7	31.8	33.6	34.7	35.3	37.0	37.2	37.4	37.5	37.5	38.0	38.8	38.9	40.2
GE 9000	22.5	28.2	29.8	32.0	33.8	34.9	35.5	37.2	37.4	37.7	37.8	37.8	38.2	39.0	39.1	40.4
GE 8000	22.7	28.9	30.5	32.7	34.4	35.5	36.2	37.9	38.1	38.3	38.4	38.4	39.0	39.8	39.9	41.2
GE 7000	22.9	29.1	30.7	32.9	34.8	36.0	36.7	38.3	38.5	38.8	38.9	38.9	39.4	40.2	40.3	41.6
GE 6000	23.3	29.8	31.3	33.7	35.5	36.9	37.5	39.2	39.4	39.6	39.8	39.8	40.3	41.1	41.2	42.5
GE 5000	25.0	32.4	34.0	36.4	38.4	39.8	40.4	42.1	42.5	42.7	42.9	42.9	43.4	44.2	44.3	45.7
GE 4500	26.1	33.9	35.7	38.2	40.2	41.5	42.2	44.1	44.5	44.9	45.0	45.0	45.5	46.3	46.5	48.0
GE 4000	26.9	34.9	36.7	39.3	41.3	42.6	43.3	45.3	45.7	46.1	46.2	46.2	46.7	47.5	47.7	49.2
GE 3500	27.5	35.8	37.5	40.3	42.5	43.9	44.6	46.8	47.3	47.6	47.7	47.7	48.3	49.1	49.3	50.7
GE 3000	29.5	38.8	41.1	43.9	46.2	47.7	48.5	50.8	51.4	51.7	51.8	51.8	52.4	53.2	53.4	54.8
GE 2500	31.6	42.3	44.7	47.7	50.3	51.9	52.7	55.1	55.7	56.0	56.1	56.1	56.7	57.5	57.7	59.1
GE 2000	33.9	45.4	48.5	52.2	55.0	56.8	57.6	60.0	60.6	61.0	61.1	61.1	61.7	62.5	62.7	64.1
GE 1800	34.9	47.3	50.7	54.4	57.4	59.1	60.1	62.7	63.2	63.7	63.8	63.8	64.3	65.1	65.3	66.8
GE 1500	35.8	48.9	52.4	56.6	59.7	61.5	62.6	65.3	66.1	66.6	66.8	66.8	67.3	68.1	68.3	69.8
GE 1200	37.8	53.0	56.8	61.6	64.7	66.6	67.7	70.4	71.2	71.7	71.9	71.9	72.4	73.3	73.5	75.0
GE 1000	39.0	55.0	58.9	63.9	67.0	69.2	70.3	73.1	74.0	74.4	74.6	74.6	75.2	76.1	76.3	77.9
GE 900	39.1	55.4	59.5	64.6	68.0	70.4	71.5	74.3	75.2	75.6	75.9	75.9	76.4	77.3	77.5	79.1
GE 800	39.5	56.6	60.8	66.1	69.9	72.4	73.5	76.3	77.2	77.6	78.0	78.0	78.5	79.4	79.6	81.2
GE 700	40.1	57.7	62.2	67.6	71.3	74.1	75.3	78.1	79.1	79.5	79.8	79.8	80.4	81.4	81.6	83.2
GE 600	40.8	59.5	64.5	70.1	73.9	76.9	78.1	81.2	82.3	82.7	83.1	83.1	83.6	84.6	84.8	86.5
GE 500	41.0	60.4	65.4	71.5	75.4	78.4	79.6	82.8	83.9	84.4	84.8	84.8	85.4	86.4	86.6	88.4
GE 400	41.2	61.1	66.6	72.9	77.0	80.0	81.3	84.9	86.0	86.5	86.9	86.9	87.5	88.6	88.8	90.6
GE 300	41.2	61.4	66.9	73.6	78.1	81.2	82.6	86.8	88.3	88.7	89.4	89.4	89.9	91.0	91.3	93.0
GE 200	41.2	61.4	67.0	73.9	78.4	82.1	83.6	88.4	89.9	90.6	91.0	91.0	91.6	92.7	92.9	94.7
GE 100	41.2	61.4	67.0	74.0	78.6	82.3	84.1	89.3	91.4	92.7	93.5	93.5	94.1	95.3	95.6	97.5
GE 0	41.2	61.4	67.0	74.0	78.6	82.3	84.1	89.3	91.4	92.7	93.5	93.6	94.6	96.0	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 903



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 46	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	15.0	18.9	19.7	21.0	21.8	22.3	22.5	23.3	23.6	23.9	23.9	24.0	24.1	24.3	24.4	25.2
GE 20000	20.1	25.8	26.9	28.7	29.8	30.4	30.8	31.7	32.0	32.3	32.4	32.4	32.6	32.9	32.9	33.8
GE 18000	27.2	26.0	27.1	28.9	30.0	30.7	31.0	32.0	32.3	32.5	32.6	32.7	32.8	33.1	33.2	34.1
GE 16000	20.2	26.1	27.2	28.9	30.1	30.7	31.1	32.0	32.3	32.6	32.7	32.8	32.9	33.2	33.3	34.2
GE 14000	20.7	26.7	27.8	29.6	30.7	31.4	31.8	32.8	33.1	33.4	33.5	33.5	33.7	34.0	34.1	35.0
GE 12000	21.6	27.7	28.8	30.7	31.9	32.6	33.0	34.0	34.3	34.6	34.7	34.7	34.9	35.2	35.3	36.2
GE 10000	22.9	29.5	30.7	32.5	33.7	34.5	34.9	36.0	36.3	36.6	36.7	36.8	36.9	37.3	37.4	38.3
GE 9000	23.5	30.4	31.6	33.6	34.8	35.6	35.9	37.0	37.4	37.7	37.8	37.8	38.0	38.4	38.5	39.4
GE 8000	23.6	30.6	31.9	33.9	35.1	35.9	36.2	37.3	37.7	38.0	38.1	38.2	38.3	38.7	38.8	39.8
GE 7000	23.8	30.9	32.2	34.2	35.4	36.2	36.6	37.8	38.1	38.4	38.5	38.6	38.7	39.1	39.2	40.2
GE 6000	24.5	31.8	33.2	35.2	36.5	37.3	37.8	38.9	39.2	39.6	39.6	39.7	39.9	40.3	40.4	41.3
GE 5000	25.8	33.7	35.2	37.3	38.5	39.4	39.9	41.0	41.4	41.8	41.9	42.0	42.2	42.6	42.7	43.6
GE 4500	26.8	35.1	36.7	39.0	40.3	41.2	41.7	43.0	43.4	43.8	43.9	44.0	44.2	44.6	44.7	45.7
GE 4000	27.9	36.6	38.2	40.7	42.1	43.0	43.5	44.8	45.2	45.6	45.7	45.9	46.0	46.5	46.6	47.6
GE 3500	28.6	37.6	39.3	41.9	43.3	44.2	44.8	46.1	46.6	47.0	47.1	47.2	47.4	47.8	47.9	48.9
GE 3000	30.9	40.6	42.5	45.3	46.8	47.8	48.4	49.8	50.3	50.7	50.8	50.9	51.1	51.5	51.7	52.6
GE 2500	32.6	43.1	45.3	48.2	50.0	51.1	51.7	53.3	53.8	54.2	54.3	54.4	54.6	55.1	55.2	56.2
GE 2000	35.0	46.7	49.1	52.5	54.4	55.6	56.4	58.0	58.5	59.0	59.1	59.3	59.5	59.9	60.1	61.1
GE 1800	36.3	48.7	51.2	54.6	56.7	57.9	58.8	60.5	61.0	61.5	61.6	61.7	62.0	62.4	62.6	63.6
GE 1500	38.1	51.8	54.5	58.2	60.5	61.9	62.8	64.6	65.2	65.7	65.9	66.0	66.2	66.7	66.8	67.9
GE 1200	39.7	55.3	58.3	62.5	65.0	66.5	67.5	69.4	70.1	70.6	70.7	70.9	71.1	71.6	71.8	72.8
GE 1000	40.8	57.5	60.7	65.1	67.8	69.5	70.5	72.5	73.2	73.7	73.8	74.0	74.2	74.7	74.9	76.0
GE 900	41.2	58.1	61.5	66.1	68.9	70.6	71.7	73.6	74.3	74.8	75.0	75.1	75.4	75.9	76.0	77.1
GE 800	41.6	59.3	62.7	67.6	70.7	72.5	73.5	75.5	76.2	76.8	76.9	77.1	77.3	77.9	78.0	79.1
GE 700	42.2	60.7	64.3	69.6	72.8	74.7	75.9	77.9	78.7	79.2	79.4	79.5	79.8	80.3	80.5	81.5
GE 600	42.7	62.1	66.1	71.9	75.4	77.5	78.8	81.0	81.8	82.4	82.6	82.7	83.0	83.5	83.6	84.7
GE 500	42.9	62.9	67.1	73.2	76.9	79.1	80.5	82.8	83.6	84.2	84.4	84.6	84.8	85.4	85.5	86.6
GE 400	43.2	63.6	68.0	74.5	78.6	81.1	82.7	85.3	86.2	86.8	87.0	87.2	87.4	88.0	88.1	89.2
GE 300	43.2	64.0	68.6	75.6	80.0	82.7	84.5	87.5	88.6	89.2	89.5	89.6	89.9	90.5	90.6	91.7
GE 200	43.2	64.1	68.8	76.0	80.9	83.8	86.1	89.6	90.9	91.7	92.0	92.2	92.6	93.2	93.3	94.5
GE 100	43.2	64.1	68.8	76.1	81.1	84.1	86.5	90.6	92.3	93.6	94.2	94.4	94.8	95.7	95.8	97.5
GE 0	43.2	64.1	68.8	76.1	81.1	84.1	86.6	90.6	92.3	93.7	94.3	94.6	95.1	96.3	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7186

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.2	22.5	23.5	25.1	26.7	26.9	27.4	28.2	28.5	28.7	28.8	28.9	29.0	29.2	29.3	29.7
GE 20000	23.7	31.0	32.3	34.3	35.7	36.5	37.2	38.1	38.5	38.8	38.9	38.9	39.1	39.4	39.4	39.9
GE 18000	23.8	31.1	32.5	34.4	35.8	36.6	37.3	38.3	38.6	38.9	39.0	39.1	39.2	39.5	39.6	40.1
GE 16000	23.9	31.1	32.5	34.5	35.9	36.7	37.4	38.3	38.7	39.0	39.1	39.2	39.3	39.6	39.6	40.1
GE 14000	24.4	31.8	33.2	35.2	36.7	37.5	38.1	39.1	39.5	39.8	39.9	39.9	40.1	40.4	40.4	40.9
GE 12000	25.3	33.1	34.5	36.6	38.1	38.9	39.6	40.6	41.0	41.3	41.4	41.5	41.7	41.9	42.0	42.5
GE 10000	26.9	35.3	36.8	39.1	40.7	41.6	42.3	43.3	43.7	44.0	44.1	44.2	44.4	44.7	44.7	45.2
GE 9000	27.7	36.4	38.0	40.4	42.1	43.0	43.8	44.9	45.3	45.6	45.7	45.8	46.0	46.2	46.3	46.8
GE 8000	27.9	36.8	38.4	40.8	42.5	43.4	44.2	45.3	45.7	46.0	46.2	46.2	46.4	46.7	46.8	47.3
GE 7000	28.1	37.1	38.8	41.2	42.9	43.9	44.7	45.8	46.2	46.5	46.6	46.7	46.9	47.2	47.2	47.7
GE 6000	28.9	38.3	40.0	42.5	44.2	45.2	46.0	47.2	47.6	47.9	48.0	48.1	48.3	48.5	48.6	49.1
GE 5000	31.2	41.3	43.2	45.9	47.8	48.8	49.7	50.9	51.3	51.7	51.8	51.9	52.1	52.4	52.5	53.0
GE 4500	33.0	43.7	45.6	48.5	50.4	51.5	52.4	53.7	54.2	54.6	54.7	54.8	55.0	55.3	55.3	55.9
GE 4000	34.5	45.6	47.7	50.6	52.7	53.8	54.8	56.1	56.6	57.0	57.1	57.2	57.4	57.7	57.8	58.3
GE 3500	35.6	47.1	49.1	52.2	54.3	55.5	56.4	57.8	58.3	58.7	58.9	59.0	59.1	59.5	59.5	60.1
GE 3000	37.8	50.0	52.1	55.4	57.7	58.8	59.8	61.3	61.8	62.2	62.4	62.5	62.7	63.0	63.1	63.6
GE 2500	40.1	53.1	55.4	58.9	61.3	62.5	63.5	65.0	65.6	66.0	66.2	66.3	66.5	66.8	66.9	67.4
GE 2000	42.6	56.7	59.2	62.9	65.5	66.8	67.9	69.5	70.1	70.6	70.7	70.8	71.0	71.3	71.4	72.0
GE 1800	43.7	58.2	60.8	64.7	67.3	68.7	69.8	71.5	72.1	72.5	72.7	72.8	73.0	73.3	73.4	73.9
GE 1500	45.1	60.4	63.2	67.3	70.0	71.4	72.6	74.4	75.0	75.5	75.7	75.8	76.0	76.3	76.4	76.9
GE 1200	46.7	63.2	66.2	70.6	73.7	75.2	76.4	78.3	79.0	79.5	79.7	79.8	80.0	80.3	80.4	81.0
GE 1000	47.4	64.7	67.9	72.6	75.8	77.4	78.7	80.7	81.4	81.9	82.1	82.2	82.4	82.8	82.8	83.4
GE 900	47.7	65.3	68.6	73.5	76.8	78.4	79.8	81.8	82.5	83.0	83.2	83.4	83.6	83.9	84.0	84.6
GE 800	48.0	66.1	69.5	74.5	78.0	79.7	81.1	83.2	83.9	84.5	84.7	84.8	85.0	85.4	85.4	86.0
GE 700	48.3	66.9	70.5	75.8	79.4	81.2	82.7	84.9	85.6	86.2	86.4	86.5	86.7	87.1	87.2	87.8
GE 600	48.5	67.7	71.5	77.0	80.9	82.9	84.4	86.8	87.6	88.2	88.4	88.5	88.7	89.1	89.2	89.7
GE 500	48.7	68.2	72.1	77.9	82.0	84.1	85.7	88.2	89.0	89.6	89.8	90.0	90.2	90.5	90.6	91.2
GE 400	48.8	68.7	72.7	78.7	83.1	85.3	87.1	89.8	90.7	91.4	91.6	91.7	92.0	92.3	92.4	93.0
GE 300	48.8	68.9	73.1	79.4	84.0	86.4	88.4	91.3	92.3	93.1	93.3	93.5	93.7	94.1	94.2	94.8
GE 200	48.8	69.0	73.2	79.7	84.5	87.1	89.2	92.4	93.6	94.5	94.8	94.9	95.2	95.6	95.7	96.3
GE 100	48.8	69.0	73.3	79.7	84.6	87.3	89.5	93.0	94.3	95.4	95.8	96.1	96.4	97.0	97.1	98.0
GE 0	48.8	69.0	73.3	79.7	84.6	87.3	89.5	93.0	94.4	95.6	96.0	96.3	96.8	97.6	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 46012

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK PERIOD OF RECORD: 79-87  
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	12.4	9.2		3.4	3.1	1.7	3.4		5.9	15.7	45.2	7.0	884
03-05	11.7	8.3		4.5	3.0	2.9	3.0		4.4	15.8	46.4	7.1	891
06-08	7.2	12.6		4.9	4.5	2.5	3.0		3.5	19.3	42.5	7.0	891
09-11	3.2	12.2		4.8	3.6	3.6	3.3		6.2	27.4	35.7	7.3	883
12-14	2.4	9.9		4.9	3.8	3.5	5.1		6.7	26.0	37.8	7.5	886
15-17	2.7	12.2		4.9	4.0	4.3	4.9		5.8	25.9	35.2	7.3	892
19-20	7.3	10.4		6.1	4.4	2.5	4.8		3.9	28.2	42.4	7.1	891
21-23	11.8	9.8		4.2	2.5	3.0	3.7		4.2	17.7	43.1	6.9	887
TOTALS	7.3	10.6		4.7	3.6	3.0	3.9		5.1	20.8	41.0	7.2	7105

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK PERIOD OF RECORD: 79-87  
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	13.7	7.3		4.0	3.2	2.9	3.0		4.7	14.4	46.8	7.0	833
03-05	12.8	7.5		5.3	2.4	2.4	3.9		3.5	12.9	49.3	7.1	837
06-08	8.1	8.1		4.0	2.1	1.7	2.0		3.7	20.9	49.4	7.6	842
09-11	5.6	8.2		3.9	1.9	1.2	2.6		5.5	28.1	42.9	7.8	837
12-14	4.6	4.6		3.7	5.1	3.7	2.6		7.4	31.2	37.1	7.8	841
15-17	4.3	7.6		2.5	3.1	2.9	4.9		8.2	27.8	38.7	7.7	834
18-20	6.7	10.3		4.4	4.1	3.0	3.7		5.1	18.8	43.9	7.3	836
21-23	11.0	7.8		3.6	2.4	3.6	2.5		4.7	17.4	47.0	7.3	834
TOTALS	8.4	7.7		3.9	3.0	2.7	3.2		5.4	21.4	44.4	7.5	6694

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	12.4	8.9		4.3	4.0	2.8	3.7		5.3	14.6	43.9	6.9	922
03-05	10.3	8.1		3.8	4.1	2.1	3.7		4.0	16.4	47.6	7.2	923
06-08	4.3	8.9		3.7	3.9	1.4	3.2		5.1	24.8	44.7	7.7	924
09-11	2.3	8.4		4.1	4.2	2.0	5.0		6.4	25.8	41.8	7.8	921
12-14	1.0	5.0		4.2	5.6	2.9	7.3		6.9	28.0	39.1	8.0	918
15-17	1.6	6.5		4.1	4.3	3.8	5.3		8.5	31.1	34.7	7.8	922
18-20	3.8	11.7		5.0	5.5	2.9	5.5		5.8	24.0	35.7	7.2	921
21-23	10.4	11.0		6.0	5.1	2.8	4.1		5.6	16.1	38.9	6.7	927
TOTALS	5.8	8.6		4.4	4.6	2.6	4.7		6.0	22.6	40.8	7.4	7373

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	17.0	9.4		5.3	6.1	2.6	4.3		5.6	17.8	32.0	6.1	890
03-05	11.5	9.5		5.3	5.5	2.5	4.5		6.2	20.2	34.9	6.7	893
06-08	5.2	11.5		5.1	4.1	3.3	4.4		5.6	28.7	32.0	7.1	896
09-11	3.2	7.4		4.1	5.4	3.9	5.3		10.7	32.7	27.3	7.5	894
12-14	2.1	5.9		3.3	6.1	5.4	8.4		11.8	36.0	20.9	7.5	888
15-17	2.7	7.3		4.4	6.6	3.5	6.7		11.4	37.4	20.0	7.3	893
18-20	3.5	11.1		6.5	7.1	3.6	7.8		8.7	31.4	20.3	6.8	892
21-23	11.8	11.1		6.8	6.9	4.0	5.0		7.8	20.7	26.1	6.2	885
TOTALS	7.1	9.2		5.1	6.0	3.6	5.8		8.5	28.1	26.7	6.9	7131

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	13.2	10.2		8.0	5.4	3.2	6.9		5.5	17.6	29.9	6.2
03-05	5.9	13.1		6.6	5.5	3.0	5.6		5.5	23.1	31.7	6.7
06-08	4.7	10.6		5.8	3.2	3.3	5.9		6.5	30.4	29.4	7.1
09-11	3.8	6.7		5.1	4.8	3.6	6.8		10.8	30.5	27.9	7.4
12-14	1.3	6.1		4.0	4.9	4.5	8.3		14.5	31.4	25.0	7.6
15-17	1.5	6.3		6.6	4.7	5.2	8.5		15.0	31.6	20.6	7.3
18-20	2.2	10.1		9.1	7.2	4.1	5.6		11.7	29.3	20.7	6.8
21-23	9.2	14.9		8.3	6.0	4.9	6.4		7.9	17.5	24.9	6.0
TOTALS	5.2	9.8		6.7	5.2	4.0	6.8		9.7	26.4	26.3	6.9

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	11.3	12.4		8.1	3.6	3.8	4.1		6.4	19.9	30.6	6.3
03-05	6.6	11.7		5.8	4.0	3.5	5.1		7.6	25.1	30.7	6.9
06-08	4.8	8.4		5.9	4.6	2.9	5.7		8.7	24.4	30.6	7.2
09-11	3.7	4.8		4.7	6.9	4.8	6.6		10.6	35.5	22.3	7.4
12-14	1.0	4.9		3.5	6.1	6.1	7.6		11.2	38.8	20.8	7.6
15-17	.9	6.0		4.8	6.4	5.5	8.4		13.0	35.9	19.1	7.4
18-20	2.2	9.5		7.8	6.6	5.6	7.0		12.2	30.2	19.0	6.9
21-23	5.6	14.0		6.1	6.6	4.1	4.9		9.5	25.7	23.5	6.5
TOTALS	4.5	9.6		5.8	5.6	4.5	6.2		9.9	29.9	24.6	7.0

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	13.1	12.0		9.0	7.3	3.8	6.9		6.4	17.0	24.6	5.8	907
03-05	6.6	12.6		5.0	5.7	4.4	4.9		8.4	27.6	24.8	6.7	911
06-08	4.7	10.7		6.2	3.6	2.3	6.0		7.9	32.3	26.3	7.1	900
09-11	3.0	9.3		4.4	3.6	4.9	6.0		10.1	36.0	22.5	7.3	910
12-14	1.3	6.4		5.7	5.3	4.9	9.0		12.7	35.9	18.8	7.4	900
15-17	1.6	6.0		7.0	7.0	5.3	10.3		12.6	35.9	14.1	7.1	910
18-20	3.2	11.5		6.4	5.4	5.3	7.7		13.1	32.6	14.7	6.7	905
21-23	8.1	12.0		7.8	7.6	4.4	9.3		9.1	22.0	19.7	6.1	905
TOTALS	5.2	10.1		6.4	5.7	4.4	7.5		10.0	29.9	20.7	6.8	7245

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	16.3	12.4		7.1	5.5	3.7	6.0		4.3	18.0	26.9	5.7	890
03-05	12.8	12.9		6.3	4.3	3.3	4.7		5.5	21.9	28.3	6.2	914
06-08	5.8	11.7		5.5	3.8	3.1	6.1		8.3	30.5	25.3	6.9	899
09-11	2.2	7.7		5.5	6.5	4.8	6.0		11.2	37.4	16.7	7.2	910
12-14	1.8	4.9		4.8	7.8	5.9	9.3		13.9	36.8	14.7	7.3	911
15-17	1.6	5.3		6.1	8.2	5.3	10.3		13.3	33.9	15.8	7.2	899
18-20	4.0	10.8		7.1	5.5	4.0	6.7		14.0	32.4	15.5	6.7	896
21-23	10.5	11.3		7.4	6.0	4.6	6.9		8.5	24.6	20.1	6.1	901
TOTALS	6.9	9.6		6.2	6.0	4.3	7.0		9.9	29.4	20.7	6.7	7220

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	15.7	10.2		6.3	6.5	3.6	5.1		5.6	18.3	10.6	6.1
03-05	14.6	11.2		6.0	5.1	1.7	4.3		5.3	21.0	10.9	6.2
06-08	3.8	11.3		6.3	3.6	3.4	4.5		7.0	31.0	29.0	7.1
09-11	2.1	7.4		5.6	6.1	3.8	6.6		9.7	32.9	25.7	7.4
12-14	1.9	5.0		4.7	5.9	6.4	8.6		12.1	37.4	18.0	7.4
15-17	2.6	7.0		6.4	4.8	4.8	8.5		12.3	35.5	18.1	7.2
18-20	4.8	12.3		7.8	5.8	4.8	7.5		8.2	29.1	19.6	6.5
21-23	12.4	11.5		7.5	5.2	3.2	6.0		7.0	20.7	26.6	6.1
TOTALS	7.2	9.5		6.3	5.1	4.0	6.4		8.4	28.2	24.8	6.8

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	12.1	11.9		6.1	3.5	3.4	4.6		6.3	16.9	35.3	6.4
03-05	13.5	7.7		6.0	4.4	3.2	4.2		4.9	16.9	39.2	6.7
06-08	2.7	10.8		5.2	3.2	2.2	3.4		7.0	28.8	16.8	7.5
09-11	1.7	10.6		4.4	3.9	3.3	4.3		9.2	30.8	11.7	7.5
12-14	.7	5.2		4.0	5.5	5.0	6.9		10.1	34.9	27.6	7.8
15-17	3.5	7.7		3.9	4.4	3.3	5.5		11.0	31.8	28.9	7.5
18-20	6.7	10.1		5.2	3.9	4.8	5.3		8.4	22.6	13.1	7.0
21-23	10.7	10.8		5.7	4.4	2.8	5.6		5.2	19.2	15.4	6.6
TOTALS	6.5	9.4		5.1	4.2	3.5	5.0		7.8	25.2	33.5	7.1

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	13.9	10.9		4.0	3.4	2.6	3.6		5.1	17.0	39.6	6.6	895
03-05	12.2	9.6		5.5	4.2	2.2	4.0		5.7	16.1	40.5	6.7	896
06-08	4.6	10.6		3.8	5.3	3.1	3.8		5.2	28.0	35.6	7.3	893
09-11	2.1	12.3		6.1	4.3	1.8	2.7		6.1	31.3	33.4	7.4	892
12-14	1.2	7.6		6.4	5.5	2.8	4.5		8.2	29.5	74.3	7.6	892
15-17	1.8	10.1		5.0	4.1	2.9	4.8		7.1	30.0	34.2	7.5	893
18-20	5.8	10.0		5.0	3.4	3.6	4.1		6.7	20.7	40.6	7.3	893
21-23	11.5	8.5		5.2	3.9	3.9	3.6		4.8	19.5	39.1	6.9	897
TOTALS	6.6	10.0		5.1	4.3	2.9	3.9		6.1	24.0	37.2	7.2	7151

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	10.0	7.7		4.2	3.6	2.6	5.2		4.9	17.1	44.7	7.2	897
03-05	11.9	6.3		2.9	4.4	1.7	4.3		5.4	18.7	44.3	7.2	900
06-08	6.6	7.7		3.9	3.1	2.7	4.5		5.2	22.0	44.3	7.6	896
09-11	2.3	10.0		4.4	3.1	2.0	2.9		5.0	32.7	37.5	7.7	901
12-14	1.4	6.8		4.8	2.9	3.4	4.4		7.8	31.4	35.0	7.7	899
15-17	2.1	9.3		4.3	2.9	2.8	4.2		9.4	27.6	37.4	7.7	891
18-20	5.3	6.8		3.9	5.2	4.1	4.3		5.2	19.6	45.5	7.6	901
21-23	6.1	9.5		5.4	4.5	4.2	4.3		5.9	17.5	42.5	7.2	903
TOTALS	5.7	8.3		4.2	3.7	2.9	4.3		6.1	23.3	41.4	7.5	7188



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87  
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER														
	HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
JAN	ALL	7.3	10.6		4.7	3.6	3.0	3.9		5.1	27.8	41.0	7.2	7105
FEB		8.4	7.7		3.9	3.0	2.7	3.2		5.4	21.4	44.4	7.5	6694
MAR		5.4	6.6		4.4	4.6	2.6	4.7		6.0	22.6	40.8	7.4	7373
APR		7.1	9.2		5.1	6.0	3.6	5.8		8.5	28.1	26.7	6.9	7131
MAY		5.2	5.8		6.7	5.2	4.0	6.8		9.7	26.4	26.3	6.9	7393
JUN		4.5	9.0		5.8	5.6	4.5	6.2		9.9	29.9	24.6	7.0	7060
JUL		5.2	10.1		6.4	5.7	4.4	7.5		10.0	29.9	20.7	6.8	7245
AUG		6.9	9.6		6.2	6.0	4.3	7.0		9.9	29.4	20.7	6.7	7220
SEP		7.2	9.5		6.3	5.1	4.0	6.4		8.4	28.2	24.8	6.8	7105
OCT		6.5	5.4		5.1	4.2	3.5	5.0		7.8	25.2	33.5	7.1	7380
NOV		6.6	10.0		5.1	4.3	2.9	3.9		6.1	24.0	37.2	7.2	7151
DEC		5.7	8.3		4.2	3.7	2.9	4.3		6.1	23.3	41.4	7.5	7184
TOTALS		6.4	9.3		5.3	4.8	3.5	5.4		7.7	25.8	31.8	7.1	86045

PPPPPPPP	AAAAAA	R R R R R R R	T T T T T T T T	E E E E E E E E
PPPPPPPP	AAAAAAA	R R R R R R R	T T T T T T T T	E E E E E E E E
PP PP	AA AA	R R RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	R R R R R R R	TT	E E E E E
PPPPPPPP	AAAAAAA	R R R R R R R	TT	E E E E E
PP	AAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	E E E E E E E E
PP	AA AA	RR RR	TT	E E E E E E E E

#### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

##### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STAND DEV-  
IATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 DEGREE FAHRENHEIT VALUE.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THESE TEMPERATURES WERE SELECTED BY SCAN-  
NING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS.

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTING

##### EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM EXTRACTING THE HIGH AND LOW TEMPERATURES FROM THE HOURLY OBSERVATIONS.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

##### MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

##### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 037460

STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 73-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 90						.5	.2						.1
GE 85						1.9	3.2	1.2					.5
GE 80						3.1	7.1	5.5	.7				1.4
GE 75					1.8	12.6	22.6	19.6	3.1				4.9
GE 70				1.6	8.1	26.3	47.0	41.7	14.0	.7			11.5
GE 65				5.6	15.7	46.1	77.6	71.7	36.2	3.5			21.1
GE 60			1.1	16.4	37.9	80.7	96.8	98.2	78.8	21.9	1.4		35.6
GE 55	.4	.7	7.1	38.9	78.1	98.3	100.0	100.0	97.6	65.7	22.1	4.2	50.5
GE 50	17.9	17.1	37.6	72.0	97.0	100.0			99.8	92.9	53.1	29.6	67.7
GE 45	47.9	46.0	71.8	93.6	99.8				100.0	99.3	79.0	60.2	82.9
GE 40	67.8	70.4	94.0	99.6	100.0					100.0	93.1	62.4	92.2
GE 35	88.8	88.6	99.6	100.0							99.8	94.7	97.6
GE 30	96.9	98.6	100.0								100.0	99.3	99.6
GE 25	99.3	100.0										100.0	99.9
GE 20	99.8												100.0
GE 15	100.0												100.0
MEAN	42.8	43.0	47.4	53.3	58.8	65.7	69.7	69.1	63.6	56.1	49.3	45.4	55.4
SD	6.557	6.270	4.992	6.458	6.229	6.975	6.393	6.042	5.256	4.941	5.906	6.040	11.286
TOTAL OBS	457	422	465	450	433	419	434	434	420	434	420	432	5220

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 037460

STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 73-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 65						.2	.2						.0
GE 60						2.1	7.4	6.0	.5				1.3
GE 55					.7	11.2	34.6	35.9	16.2		.5		8.5
GE 50	.2		1.1	.9	10.2	50.6	79.3	78.8	48.3	18.0	9.5	4.4	24.8
GE 45	5.5	4.7	5.4	11.3	42.7	84.2	98.2	97.7	79.5	46.3	23.3	17.1	42.5
GE 40	19.7	18.7	20.6	40.7	80.1	97.1	100.0	100.0	96.9	77.0	43.3	31.2	59.9
GE 35	44.6	42.4	56.8	75.8	96.8	100.0			100.0	94.0	71.2	57.2	77.9
GE 30	58.9	55.4	70.8	84.0	98.2					97.7	80.5	69.4	84.4
GE 25	75.5	73.7	88.8	95.8	100.0					99.5	91.2	64.7	92.4
GE 20	90.8	91.7	98.9	99.8						100.0	99.0	94.7	97.9
GE 15	96.7	97.6	100.0	100.0							100.0	98.6	99.4
GE 10	99.3	100.0										99.5	99.9
GE 5	100.0											100.0	100.0
MEAN	33.7	33.4	35.6	38.3	43.5	49.1	52.8	52.6	43.9	44.0	38.8	36.4	42.3
SD	6.883	6.560	5.233	5.180	4.675	4.784	4.405	4.301	5.118	5.829	7.002	7.459	8.962
TOTAL OBS	457	422	465	450	433	419	434	434	420	434	420	432	5220

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 037460

STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 73-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 75						1.0	1.6	.2					.2
GE 70						2.9	6.2	3.7	.5				1.1
GE 65					.9	9.3	21.9	23.0	3.3				4.8
GE 60				.9	6.5	32.2	63.6	58.5	26.2	2.3			15.7
GE 55			.2	7.1	23.3	70.4	96.3	95.9	64.5	21.0	5.0	.7	31.6
GE 50	1.1	.9	4.5	25.3	63.5	96.4	100.0	100.0	96.0	55.1	23.1	10.0	47.4
GE 45	18.4	19.9	26.0	59.1	93.8	100.0			99.8	88.0	48.8	31.9	65.0
GE 40	48.8	46.9	69.2	90.0	98.8				100.0	98.8	76.2	61.1	82.3
GE 35	73.6	73.0	95.1	99.6	100.0					100.0	93.8	84.7	93.3
GE 30	90.6	94.1	99.8	100.0							99.8	95.8	98.3
GE 25	97.4	98.3	100.0								100.0	99.5	99.6
GE 20	99.3	100.0										100.0	99.9
GE 15	100.0												100.0
MEAN	38.5	38.5	41.7	46.1	51.4	57.6	61.5	61.1	56.5	50.3	44.4	41.2	49.1
SU	6.433	6.031	4.464	5.228	4.797	5.261	4.737	4.350	4.420	4.902	6.136	6.424	9.755
TOTAL OBS	457	422	465	450	433	419	434	434	420	434	420	432	5220

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 73-87

YEAR	WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
73	51	*51	59	62	69	77	78	84	80	64	59	*53	84
74	53	51	60	64	69	75	73	71	68	55	55	57	75
75	53	53	51	68	*69	78	84	87	71	60	57	51	87
76	55	55	53	66	78	51	91	84	73	62	53	48	91
77	51	53	62	59	73	73	79	77	70	64	59	55	79
78	50	54	59	64	79	77	77	75	73	73	61	55	79
79	46	48	54	70	75	*73	84	75	70	66	57	57	84
80	52	54	54	66	75	77	77	75	72	63	59	54	77
81	52	54	59	68	70	77	77	82	75	61	59	50	82
82	*53	52	62	64	76	79	78	80	60	61	60	54	80
83	55	53	57	61	68	76	88	88	72	66	60	55	88
84	53	52	55	72	72	78	82	83	75	66	62	53	83
85	52	55	56	66	71	75	82	73	74	74	58	57	82
86	53	38	53	59	65	85	80	69	68	69	64	*55	85
87	52	56	51	72									
MEAN	52.0	52.0	56.3	65.4	72.3	78.3	80.7	78.8	73.0	64.6	58.8	53.8	81.8
S.D.	2.219	4.489	3.697	4.154	4.151	4.733	4.827	6.028	3.721	5.064	2.778	2.887	5.118
TOTAL OBS	457	422	465	450	433	419	434	434	420	434	420	432	5226

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 73-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
73	26	*23	26	28	35	39	42	46	42	30	26	*26	*23
74	28	30	30	32	32	39	44	44	35	32	33	32	28
75	30	30	26	28	*35	35	46	44	37	33	23	23	23
76	26	26	24	28	35	44	44	42	41	35	28	15	15
77	23	28	26	27	34	37	45	45	39	37	28	30	23
78	21	18	30	23	37	37	45	45	41	34	23	23	18
79	12	23	28	27	30	*43	45	41	36	36	25	23	12
80	21	27	25	30	34	43	45	43	45	32	27	23	21
81	27	23	30	32	32	41	46	45	43	28	28	12	12
82	*16	26	28	29	32	45	45	45	41	31	26	26	*16
83	26	25	29	30	36	43	46	44	41	28	23	23	23
84	26	27	28	27	33	42	42	46	40	33	28	27	26
85	17	15	22	26	37	37	47	46	41	37	23	17	15
86	24	16	21	29	37	38	43	41	38	34	33	*31	16
87	14	23	25	30									
MEAN	22.9	24.1	26.5	28.4	34.2	40.0	44.6	44.1	40.0	32.9	26.7	22.8	20.1
S.O.	5.356	4.795	2.825	2.324	2.267	3.189	1.499	1.730	2.746	2.931	3.338	5.844	5.442
TOTAL OBS	457	422	465	450	433	419	434	434	420	434	420	432	5220

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	36.5	35.5	38.9	41.8	46.3	52.0	56.0	55.6	52.7	48.6	43.5	40.6	45.7
	SD	7.301	7.226	5.708	5.328	4.997	4.827	4.781	4.460	5.019	6.112	7.756	7.630	9.174
	TOT OBS	884	833	921	890	925	880	902	890	889	923	895	897	10729
03-05	MEAN	36.0	34.6	38.1	40.2	44.8	50.4	54.1	53.9	51.4	47.5	42.9	40.2	44.6
	SD	7.532	7.490	6.015	5.368	5.153	4.802	4.704	4.643	5.397	6.330	8.054	7.796	9.045
	TOT OBS	890	837	923	893	928	883	913	913	890	924	896	900	10790
06-08	MEAN	35.5	34.2	38.4	41.6	47.6	53.6	57.4	55.8	52.3	47.6	42.7	39.9	45.6
	SD	7.709	7.571	6.022	5.560	5.015	4.563	4.321	4.464	5.348	6.507	8.248	7.980	9.833
	TOT OBS	891	842	924	896	927	883	900	899	884	925	892	896	10759
09-11	MEAN	36.9	36.7	42.3	47.7	53.4	59.2	63.6	62.3	58.3	52.1	45.2	41.3	50.0
	SD	7.617	7.016	5.476	6.004	5.653	5.508	5.331	4.542	4.587	5.527	7.608	7.572	11.023
	TOT OBS	883	837	922	894	924	889	910	910	889	923	892	900	10773
12-14	MEAN	39.9	40.2	45.6	51.5	56.7	62.6	67.6	66.2	62.2	55.6	48.1	43.9	53.4
	SD	6.869	6.578	5.199	6.884	6.695	6.379	6.381	5.662	5.067	5.098	6.456	6.530	11.289
	TOT OPS	886	843	918	888	917	883	900	911	887	919	891	899	10742
15-17	MEAN	39.3	40.1	45.4	51.8	57.0	63.0	68.1	66.3	62.0	54.5	46.8	43.0	53.2
	SD	6.716	6.443	4.930	6.943	6.888	6.584	6.608	5.942	5.106	5.114	6.582	6.511	11.575
	TOT OPS	892	834	922	893	924	884	910	899	891	919	893	891	10752
18-20	MEAN	37.4	37.4	42.1	47.7	53.4	59.6	64.2	61.9	57.3	50.9	44.4	41.3	49.9
	SD	7.015	6.506	4.812	6.130	6.287	5.904	6.008	5.286	4.530	5.086	7.109	7.108	10.892
	TOT OPS	892	837	921	892	922	877	905	896	889	925	893	901	10750
21-23	MEAN	36.7	36.2	39.8	43.7	48.8	54.5	58.6	57.4	53.9	49.2	43.5	40.7	47.0
	SD	7.230	6.880	5.231	5.269	5.335	5.011	5.029	4.427	4.537	5.586	7.458	7.479	9.584
	TOT OPS	886	835	922	885	926	880	905	901	884	921	897	903	10745
ALL HOURS	MEAN	37.3	36.9	41.3	45.7	51.0	56.9	61.2	59.9	56.3	50.7	44.6	41.4	48.7
	SD	7.397	7.295	6.131	7.326	7.245	7.131	7.418	6.758	6.402	6.391	7.653	7.459	10.842
	TOT OPS	7104	6698	7373	7131	7393	7059	7245	7219	7103	7379	7149	7187	86040

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	35.3	34.3	37.7	39.9	44.5	50.3	54.1	53.9	51.2	47.3	42.2	39.4	44.2
	SD	7.130	7.246	5.783	5.094	4.779	4.610	4.483	4.382	5.091	6.085	7.738	7.431	8.980
	TOT OBS	884	933	921	890	925	880	902	890	886	923	895	897	10728
03-05	MEAN	34.8	33.6	37.1	38.8	43.5	49.1	52.8	52.7	50.2	46.4	41.7	39.0	43.4
	SD	7.339	7.463	5.983	5.199	5.029	4.729	4.611	4.572	5.424	6.287	7.960	7.572	8.945
	TOT OBS	890	837	922	893	928	883	913	913	890	924	896	900	10789
06-08	MEAN	34.4	33.3	37.3	39.9	45.6	51.4	54.9	54.1	50.9	46.5	41.4	38.9	44.1
	SD	7.470	7.547	5.974	5.236	4.668	4.301	3.992	4.226	5.287	6.454	8.162	7.745	9.452
	TOT OBS	891	842	924	896	926	883	898	899	884	925	892	895	10755
09-11	MEAN	35.5	35.2	40.0	43.5	48.6	54.1	57.8	57.2	54.5	49.6	43.3	40.0	46.7
	SD	7.355	7.125	5.353	5.049	4.504	4.676	4.192	3.656	4.200	5.329	7.584	7.390	9.633
	TOT OBS	883	837	921	894	924	889	910	910	888	923	892	900	10771
12-14	MEAN	37.6	37.5	41.6	45.0	49.8	55.6	59.3	58.5	55.9	51.3	45.1	41.9	48.3
	SD	6.682	6.749	5.034	5.211	4.746	4.928	4.470	3.925	4.289	4.914	6.732	6.536	9.276
	TOT OBS	886	843	917	887	917	883	900	911	887	919	891	899	10740
15-17	MEAN	37.2	37.3	41.5	45.0	49.8	55.7	59.4	58.6	55.7	50.8	44.4	41.3	48.1
	SD	6.639	6.671	4.851	5.080	4.828	4.853	4.313	3.903	4.375	5.006	6.812	6.560	9.373
	TOT OBS	892	833	921	893	924	883	909	899	891	919	893	891	10746
18-20	MEAN	35.9	35.6	39.7	43.3	48.4	54.4	58.1	57.1	53.6	48.9	42.8	40.1	46.5
	SD	6.976	6.758	5.088	4.996	4.863	4.702	4.295	4.015	4.460	5.320	7.192	7.047	9.486
	TOT OBS	892	837	921	892	922	876	905	896	889	925	893	901	10749
21-23	MEAN	35.4	34.9	38.2	41.1	45.9	51.8	55.5	55.0	52.0	47.7	42.2	39.5	45.0
	SD	7.088	7.047	5.409	4.897	4.723	4.438	4.328	4.111	4.763	5.707	7.459	7.280	9.109
	TOT OBS	886	835	922	885	925	880	905	900	884	921	897	903	10743
ALL	MEAN	35.8	35.2	39.1	42.1	47.0	52.8	56.5	55.9	53.0	48.6	42.9	40.0	45.8
	SD	7.164	7.228	5.708	5.588	5.294	5.209	4.922	4.613	5.189	5.928	7.566	7.272	9.451
	TOT OBS	7104	6697	7369	7130	7391	7057	7242	7218	7101	7379	7149	7186	86023

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	33.4	32.4	35.9	37.6	42.6	48.9	52.7	52.7	50.0	46.2	40.8	38.0	42.7
	SD	7.830	8.360	6.633	5.866	5.544	5.079	4.662	4.643	5.523	6.461	8.333	7.921	9.576
	TOT OBS	884	933	921	890	925	880	902	890	886	923	895	897	10728
03-05	MEAN	33.0	31.7	35.6	37.0	42.0	48.0	51.9	51.9	49.3	45.5	40.3	37.6	42.1
	SD	7.983	8.535	6.639	5.689	5.561	5.106	4.748	4.691	5.727	6.640	8.491	7.994	9.538
	TOT OBS	890	837	922	893	928	883	913	913	896	924	896	900	10789
06-08	MEAN	32.5	31.5	35.7	37.6	43.4	49.5	53.1	52.9	49.8	45.5	40.0	37.5	42.5
	SD	8.113	8.581	6.644	5.797	5.373	4.944	4.378	4.399	5.570	6.778	8.687	8.173	9.877
	TOT OBS	891	842	924	896	926	883	898	899	884	925	892	895	10755
09-11	MEAN	33.3	32.8	37.0	38.6	43.7	49.9	53.5	53.3	51.4	47.3	41.2	38.3	43.4
	SD	8.081	8.462	6.512	6.242	6.087	5.807	5.184	4.735	5.217	6.042	8.414	7.984	9.824
	TOT OBS	883	837	921	894	924	889	910	910	886	923	892	900	10771
12-14	MEAN	34.4	33.4	36.6	37.6	43.0	49.9	53.3	52.7	50.7	47.3	41.7	39.4	43.4
	SD	7.880	8.729	7.265	6.821	6.798	6.162	5.516	5.179	5.826	6.307	8.342	7.493	9.763
	TOT OBS	886	843	917	887	917	883	900	911	887	919	891	899	10740
15-17	MEAN	34.3	33.2	36.3	37.3	42.8	49.8	53.0	52.8	50.5	47.3	41.6	39.2	43.2
	SD	7.865	8.759	7.307	6.955	6.980	6.020	5.199	5.110	6.067	6.324	8.178	7.349	9.805
	TOT OBS	892	833	921	893	924	883	909	899	891	919	893	891	10748
18-20	MEAN	33.6	32.8	36.5	38.0	43.3	50.1	53.5	53.4	50.8	46.9	41.0	38.4	43.3
	SD	7.961	8.336	6.700	6.563	6.641	5.634	4.947	4.712	5.576	6.208	8.092	7.65	9.824
	TOT OBS	892	837	921	892	922	876	905	896	889	925	893	901	10749
21-23	MEAN	33.5	32.6	36.0	37.8	43.0	49.6	53.2	53.1	50.4	46.4	40.6	38.0	42.9
	SD	7.839	8.313	6.487	5.945	5.906	4.999	4.615	4.499	5.453	6.306	8.112	7.777	9.645
	TOT OBS	886	835	922	885	925	880	905	900	834	921	897	903	10743
ALL	MEAN	33.5	32.5	36.2	37.7	43.0	49.5	53.0	52.9	50.4	46.6	40.9	38.3	42.9
	SD	7.962	8.531	6.791	6.264	6.155	5.523	4.942	4.771	5.654	6.426	8.348	7.830	9.743
HOURS	TOT OBS	7104	6697	7369	7130	7391	7057	7242	7218	7101	7379	7149	7186	86023

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUP	OBS
JAN	00-02	100.0	100.0	100.0	100.0	100.0	99.9	96.6	84.0	48.0	88.5	884	
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	97.9	84.7	52.8	89.1	890	
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	97.3	85.4	51.3	88.9	891	
	09-11	100.0	100.0	100.0	100.0	100.0	99.4	94.2	75.3	43.9	86.9	883	
	12-14	100.0	100.0	100.0	100.0	99.1	95.1	78.8	55.0	27.2	81.3	886	
	15-17	100.0	100.0	100.0	99.9	99.0	96.5	85.5	60.2	27.7	82.4	892	
	18-20	100.0	100.0	100.0	99.9	99.6	99.0	94.6	77.7	39.3	86.5	892	
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	97.1	84.3	46.4	88.3	886	
	TOTALS	100.0	100.0	100.0	100.0	99.7	98.7	92.8	75.8	42.1	86.5	7104	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 78-87  
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	99.9	99.2	96.3	84.4	50.1	88.6	833
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	96.9	86.5	55.6	89.4	837
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	96.8	87.9	56.8	89.7	842
	09-11	100.0	100.0	100.0	100.0	99.5	98.3	89.7	72.6	43.8	86.1	837
	12-14	100.0	100.0	99.9	99.3	97.6	88.0	66.2	45.1	22.7	77.6	842
	15-17	100.0	100.0	100.0	98.9	96.5	87.3	67.3	45.1	18.7	77.1	833
	18-20	100.0	100.0	100.0	99.9	99.6	97.6	89.0	64.8	30.0	83.7	837
	21-23	100.0	100.0	100.0	100.0	99.8	99.2	94.9	77.7	40.5	86.8	835
	TOTALS	100.0	100.0	100.0	99.8	99.1	96.1	87.1	70.5	39.8	84.9	6697

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMPE DOWN UK

PERIOD OF RECORD: 79-87  
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUP OBS
MAR	00-02	100.0	100.0	100.0	100.0	100.0	99.9	96.0	84.9	51.9	89.0	921
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	97.5	90.5	54.8	90.6	922
	06-08	100.0	100.0	100.0	100.0	99.9	99.7	97.0	88.7	60.2	90.4	924
	09-11	100.0	100.0	100.0	100.0	99.3	93.4	79.3	57.2	33.1	82.0	921
	12-14	100.0	99.9	99.6	98.6	91.1	72.3	53.1	34.5	18.3	72.3	917
	15-17	100.0	100.0	99.5	97.1	88.2	72.9	55.4	35.6	16.1	72.0	921
	18-20	100.0	100.0	100.0	99.9	98.7	93.3	79.0	58.1	27.7	81.2	921
	21-23	100.0	100.0	100.0	100.0	100.0	99.0	93.5	73.6	43.5	86.5	922
	TOTALS	100.0	100.0	99.9	99.5	97.2	91.3	81.4	65.4	38.7	83.0	7369

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 79-87  
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	99.9	99.0	98.1	92.2	71.2	39.3	85.5	896
	03-05	100.0	100.0	100.0	100.0	99.9	99.6	96.6	82.8	49.6	88.4	893
	06-08	100.0	100.0	100.0	100.0	99.8	98.1	91.9	74.3	40.3	86.1	896
	09-11	100.0	100.0	99.9	98.3	93.2	76.1	55.0	29.6	13.0	72.1	894
	12-14	100.0	99.9	98.8	91.7	72.4	47.9	30.2	15.4	5.3	61.5	887
	15-17	100.0	99.9	97.3	88.4	67.7	47.6	28.9	15.2	5.8	60.4	893
	18-20	100.0	100.0	99.1	96.3	88.0	73.9	53.0	30.3	12.8	70.9	892
	21-23	100.0	100.0	100.0	99.2	97.7	92.9	78.3	55.8	23.8	80.4	885
	TOTALS	100.0	99.9	99.4	96.7	89.7	79.3	65.8	46.8	23.7	75.7	7130

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.9	99.4	97.6	91.8	79.5	51.1	87.3	925
	03-05	100.0	100.0	100.0	100.0	99.9	99.1	96.0	85.5	63.3	90.0	928
	06-08	100.0	100.0	100.0	99.9	99.8	96.8	90.5	72.9	39.8	85.7	928
	09-11	100.0	100.0	99.7	97.5	88.6	74.9	54.7	31.6	13.3	71.5	924
	12-14	100.0	99.7	96.7	90.1	75.1	53.1	34.9	17.8	7.2	62.8	917
	15-17	100.0	99.4	95.9	87.6	71.5	52.1	32.6	16.6	6.3	61.8	924
	18-20	100.0	99.7	98.6	94.8	86.1	74.2	55.5	30.5	11.7	70.7	922
	21-23	100.0	100.0	99.7	99.0	97.2	89.0	80.3	60.6	31.5	81.5	925
	TOTALS	100.0	99.9	98.8	96.1	89.7	79.6	67.0	49.4	29.0	76.4	7391



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.8	99.4	98.8	96.5	86.1	56.6	89.4	881
	03-05	100.0	100.0	100.0	100.0	99.8	99.2	98.5	92.5	66.3	91.7	883
	06-08	100.0	100.0	99.9	99.8	99.8	98.4	93.3	71.9	39.2	86.1	883
	09-11	100.0	100.0	99.9	99.7	96.9	79.2	55.1	25.1	9.3	72.1	889
	12-14	100.0	100.0	99.7	97.3	84.9	55.8	32.2	14.0	4.4	64.5	883
	15-17	100.0	100.0	99.8	96.5	82.2	54.0	32.0	13.8	4.6	63.8	883
	18-20	100.0	100.0	99.9	99.2	94.3	77.7	55.0	26.1	8.7	71.8	876
	21-23	100.0	100.0	100.0	99.7	99.2	96.5	88.2	65.6	31.6	83.9	880
	TOTALS	100.0	100.0	99.9	99.1	94.6	82.5	68.9	49.4	27.6	77.9	7057

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	99.6	98.1	84.8	49.4	88.8	902
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.6	94.7	68.5	92.0	913
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	94.1	70.4	36.3	85.8	896
	09-11	100.0	100.0	99.9	99.5	94.5	76.8	47.6	21.9	8.4	70.7	910
	12-14	100.0	100.0	99.9	96.1	77.1	47.7	23.6	10.4	4.0	61.7	900
	15-17	100.0	100.0	99.9	94.1	72.7	42.9	22.2	9.9	3.2	60.2	905
	18-20	100.0	100.0	100.0	99.3	91.3	72.6	47.6	19.8	6.4	69.4	905
	21-23	100.0	100.0	100.0	100.0	99.9	97.6	87.1	59.1	21.8	82.4	905
	TOTALS	100.0	100.0	100.0	98.7	91.9	79.6	65.0	46.4	24.6	76.4	7242

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.7	88.7	57.0	90.1	896
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.7	96.4	73.5	93.0	913
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	98.0	87.4	50.6	89.8	899
	09-11	100.0	100.0	100.0	99.7	96.8	81.3	59.3	29.8	11.4	73.5	910
	12-14	100.0	100.0	100.0	96.4	80.8	49.5	28.6	14.3	6.1	63.3	911
	15-17	100.0	100.0	99.8	96.3	78.3	51.3	29.7	15.8	7.3	63.6	899
	18-20	100.0	100.0	100.0	99.8	95.9	83.6	63.8	34.2	12.7	74.8	896
	21-23	100.0	100.0	100.0	100.0	99.8	98.4	93.4	73.1	33.8	85.8	900
	TOTALS	100.0	100.0	100.0	99.0	94.0	83.0	71.4	55.0	31.8	79.2	7218

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM OBS	
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.1	89.8	58.4	90.6	888	
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	70.1	92.4	890	
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.5	90.7	63.6	91.3	884	
	09-11	100.0	100.0	100.0	100.0	99.0	91.3	73.0	42.8	18.9	78.5	888	
	12-14	100.0	100.0	100.0	99.7	88.3	62.8	41.0	18.2	6.9	67.2	887	
	15-17	100.0	100.0	100.0	98.2	86.6	66.4	41.3	18.1	8.2	67.4	891	
	18-20	100.0	100.0	100.0	100.0	98.9	92.7	79.6	47.7	17.8	79.4	889	
	21-23	100.0	100.0	100.0	100.0	100.0	99.8	97.4	80.5	40.3	87.7	884	
	TOTALS	100.0	100.0	100.0	99.7	96.6	89.1	78.9	60.4	35.5	81.8	7101	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
OCT	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.2	93.3	61.5	91.4	923
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.5	94.4	70.3	92.7	924
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.8	94.7	68.8	92.5	925
	09-11	100.0	100.0	100.0	100.0	100.0	98.5	89.4	63.1	32.8	84.2	923
	12-14	100.0	100.0	100.0	100.0	97.6	86.1	61.0	31.9	15.7	74.7	916
	15-17	100.0	100.0	100.0	100.0	98.3	90.3	70.5	40.3	15.9	77.2	916
	18-20	100.0	100.0	100.0	100.0	100.0	99.2	94.6	75.1	37.6	86.4	925
	21-23	100.0	100.0	100.0	100.0	100.0	99.8	98.4	90.0	53.4	90.0	921
	TOTALS	100.0	100.0	100.0	100.0	99.5	96.7	89.1	72.9	44.5	86.1	7374

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM OBS
NOV	00-02	100.0	100.0	100.0	100.0	100.0	99.9	98.5	89.2	55.2	90.1	895
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	98.0	90.6	57.8	90.4	896
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.5	88.3	55.2	90.3	892
	09-11	100.0	100.0	100.0	100.0	100.0	99.2	93.0	71.9	35.5	86.0	892
	12-14	100.0	100.0	100.0	100.0	98.4	92.0	76.1	44.8	20.2	79.0	891
	15-17	100.0	100.0	100.0	99.9	99.7	96.1	84.2	58.7	24.9	82.3	893
	18-20	100.0	100.0	100.0	100.0	100.0	99.4	94.7	82.4	40.6	87.7	893
	21-23	100.0	100.0	100.0	100.0	100.0	99.8	97.8	86.8	50.4	89.4	897
TOTALS		100.0	100.0	100.0	100.0	99.8	98.3	92.6	76.6	42.5	86.9	7145

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-86  
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.1	89.1	59.4	90.5	897
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.7	88.7	61.4	90.6	900
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.4	90.3	62.3	91.0	895
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	96.2	84.7	51.0	89.1	900
	12-14	100.0	100.0	100.0	100.0	100.0	99.0	88.5	65.2	32.7	84.3	899
	15-17	100.0	100.0	100.0	100.0	100.0	99.7	94.7	75.8	36.6	86.3	891
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	98.7	87.7	51.2	89.4	901
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	98.9	87.4	56.3	90.1	903
TOTALS		100.0	100.0	100.0	100.0	100.0	99.8	96.7	83.6	51.4	88.9	7186

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 037460 STATION NAME: BOSCOMBE DOWN UK

PERIOD OF RECORD: 77-87  
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS	
JAN	ALL	100.0	100.0	100.0	100.0	99.7	98.7	92.8	75.8	42.1	86.5	7104	
FEB		100.0	100.0	100.0	99.8	99.1	96.1	87.1	70.5	39.8	84.9	6697	
MAR		100.0	100.0	99.9	99.5	97.2	91.3	81.4	65.4	38.7	83.0	7369	
APR		100.0	99.9	99.4	96.7	89.7	79.3	65.8	46.8	23.7	75.7	7130	
MAY		100.0	99.9	98.8	96.1	89.7	79.6	67.0	49.4	28.0	76.4	7391	
JUN		100.0	100.0	99.9	99.1	94.6	82.5	68.9	49.4	27.6	77.9	7057	
JUL		100.0	100.0	100.0	98.7	91.9	79.6	65.0	46.4	24.6	76.4	7242	
AUG		100.0	100.0	100.0	99.7	94.0	83.0	71.4	55.0	31.8	79.2	7218	
SEP		100.0	100.0	100.0	99.7	96.6	89.1	78.9	60.4	35.5	81.8	7101	
OCT		100.0	100.0	100.0	100.0	99.5	96.7	89.1	72.9	44.5	86.1	7379	
NOV		100.0	100.0	100.0	100.0	99.8	98.3	92.6	76.6	42.5	86.9	7149	
DEC		100.0	100.0	100.0	100.0	100.0	99.8	96.7	83.6	51.4	88.9	7186	
TOTALS		100.0	100.0	99.8	99.1	96.0	89.5	79.7	62.7	35.7	82.0	86023	



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PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTAC  
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HPS FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 037460 STATION NAME: ROSCOMBE DOWN UK

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00	MEAN	1015.9	1016.8	1012.4	1015.7	1014.0	1016.7	1016.3	1016.8	1018.0	1015.4	1015.8	1012.1	1015.6
	SD	13.310	12.232	12.577	12.563	8.392	7.079	5.993	6.665	8.858	11.222	11.560	15.117	10.823
	TOT ORS	287	276	307	295	306	294	292	291	294	305	297	298	3542
03	MEAN	1015.5	1016.5	1011.8	1015.4	1013.6	1016.3	1017.7	1016.3	1017.5	1015.0	1015.3	1011.8	1015.2
	SD	13.651	12.743	12.733	10.579	8.503	7.238	6.390	6.823	9.025	11.288	11.559	14.893	10.882
	TOT ORS	293	278	306	298	310	294	302	298	297	306	299	299	3580
06	MEAN	1015.2	1016.6	1011.6	1015.5	1013.7	1016.5	1017.8	1016.4	1017.5	1014.9	1015.2	1011.6	1015.2
	SD	13.750	12.043	12.881	10.633	8.670	7.295	6.421	6.947	9.222	11.295	11.519	14.843	10.961
	TOT ORS	295	280	304	296	310	297	293	294	296	309	298	297	3516
09	MEAN	1015.9	1017.1	1012.0	1015.8	1013.9	1016.6	1018.0	1016.8	1017.9	1015.7	1016.0	1012.3	1015.6
	SD	13.804	12.116	12.905	10.708	8.715	7.322	6.309	6.907	9.270	11.343	11.547	14.984	10.971
	TOT ORS	290	281	304	298	308	295	298	302	295	307	297	303	3578
12	MEAN	1015.8	1017.0	1012.0	1015.4	1013.5	1016.5	1017.6	1016.5	1017.6	1015.3	1015.7	1012.2	1015.4
	SD	13.890	12.125	12.844	10.553	8.538	7.171	6.243	6.664	8.948	11.343	11.440	15.047	10.895
	TOT ORS	291	280	307	297	308	296	299	298	293	310	296	298	3573
15	MEAN	1014.9	1016.1	1011.4	1014.9	1013.2	1016.0	1017.3	1016.0	1017.2	1014.7	1015.1	1011.5	1014.8
	SD	13.723	12.390	12.607	10.413	8.409	6.926	5.906	6.413	8.657	11.142	11.501	14.846	10.742
	TOT ORS	294	276	305	297	305	294	298	288	297	307	294	296	3551
18	MEAN	1015.0	1016.4	1011.5	1014.9	1013.2	1015.9	1016.9	1016.0	1017.2	1015.1	1015.7	1011.8	1015.0
	SD	13.641	12.713	12.333	10.322	8.194	6.835	5.846	6.151	8.605	11.205	11.314	14.902	10.647
	TOT ORS	292	274	304	298	309	292	301	290	294	308	297	302	3566
21	MEAN	1016.0	1015.8	1012.3	1015.8	1014.2	1016.7	1018.0	1016.9	1017.9	1015.5	1015.8	1011.8	1015.6
	SD	13.614	12.774	12.491	10.459	8.215	6.912	5.831	6.353	8.837	11.264	11.861	15.174	10.812
	TOT ORS	291	276	307	294	309	292	294	295	292	308	300	301	3559
ALL	MEAN	1015.6	1016.7	1011.4	1015.4	1013.7	1016.4	1017.7	1016.5	1017.6	1015.2	1015.6	1011.9	1015.3
	SD	13.654	12.102	12.659	10.520	8.451	7.096	6.128	6.621	8.918	11.277	11.532	14.957	10.845
HOURLS	TOT ORS	2333	2226	2449	2375	2465	2354	2377	2356	2358	2460	2378	2394	28525

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